

CHI TIẾT CỦA BỘ ĐỀ THI

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Câu 1: You are logged in as bob. You want to run an administrative command. What command do you need to run first?

-  A. su
- B. super-user
- C. sudo
- D. login root

Câu 2: You do a ls -l and see this
drwxr-xr-x 2 550 550 4096 May 10 11:08 test
Why is there a number in the username and group fields?

-  A. The user has been removed
- B. The user's name is 550
- C. This is an important system file
- D. The size of the file is 550kb

Câu 3: What file defines the users on the system?

- A. /etc/group
- B. /etc/users
- C. /etc/password
-  D. /etc/passwd

Câu 4: What command would be used to create a new user, on your Linux server, from the command line?

- A. createuser
-  B. useradd
- C. adduser
- D. user add

Câu 5: Which of these applications should run on a Server class machine?

- A. OpenOffice
- B. P2P
- C. Firefox
-  D. Sendmail

Câu 6: Which of these are common Linux graphical environments?

- A. FIREFOX
- B. MOZILLA
-  C. GNOME

D. POSTFIX

Câu 7: What partition holds Linux log files?

A. /root

B. /logs

 C. /var

D. /usr

Câu 8: You set a variable called test in your shell and can see that it is set by typing echo \$test. You run another xterm window and the variable no longer works. What do you need to do to fix this?

A. Import the variable to the new shell

 B. Export the variable

C. Add the variable to your PATH

D. Put the variable in the /etc/profile script

Câu 9: Which of these is Linux boot loader?

 A. LILO

B. DEBIAN

C. EGRUB

D. LILI

Câu 10: Which of these file systems is used when there is not enough RAM in the system?

A. root

B. bin

C. dev

 D. swap

Câu 11: Say that you were going to untar some files you downloaded from the Internet. Once you review the files, you will install them in the /opt file system. What directory should you store these files in so that other administrators would know that they aren't critical and could be deleted if you forget to clean them up?

A. swap

B. usr/install

C. /home

 D. tmp

Câu 12: What file would tell you the GID number for the accounting group?

A. /etc/GID

 B. /etc/group

C. /etc/passwd

D. /etc/groups

Câu 13: Which of these partition types reside in an extended partition?

 A. Logical

B. Secondary

- C. Physical
- D. Primary

Câu 14: Your prompt looks like this:

```
[root@localhost~}#
```

What directory are you in?

- A. /home
- B. The tilde (~) directory
- C. /home/root



- D. /root

Câu 15: Which of these commands would set a password for bob?

- A. passwd



- B. passwd bob

- C. password bob

- D. set password bob

Câu 16: You want to move from _____ 1 to _____ 5 to initiate multi-user mode. Fill in the blank

- A. Apache
- B. xterm
- C. Start-mode



- D. runlevel

Câu 17: What single program will give you the best overview of processes, memory, and cpu?

- A. free



- B. top

- C. vmstat

- D. ps

Câu 18: What directory are you in if your prompt looks like this:

```
[root@localhost X11}#
```

- A. /etc/X11



- B. Some directory called X11, anywhere in the tree

- C. /X11

- D. /localhost/X11

Câu 19: You want to change permissions to give the accounting group read, write, and execute on a directory. You also want to remove all permissions for everyone. You want to keep existing permissions for the owner. Currently, the directory has drwxrw-r--. What command do you use?

- A. chmod g+x, o=rwx



- B. chmod g+x, o-rwx

- C. chmod g+x o-rwx

- D. chmod 760

Câu 20: You want to change permissions to give everyone read and write permissions to a directory but keep all other current permissions. Currently, the directory has dr--rw-r--. What command do you use?

- A. chmod 467
-  B. chmod 466
- C. chmod o+r
- D. chmod 456

Câu 21: Which of these would overwrite a file called test.txt with new output?

- A. find /-print | grep test >> test.txt
- B. find /-print | grep test < test.txt
- C. find /-print > grep test | test.txt
-  D. find /-print | grep test > test.txt

Câu 22: You see the following in a directory listing:

drwxr-xr-x 2 root root 4096 May 10 11:08 test

Given that bob is in the accounting group, what permissions does bob have in this directory?

- A. None
- B. Full access
-  C. Read and Execute
- D. Read and Write

Câu 23: You see the following in a directory listing:

drwxrw-r-x 2 root accounting 4096 May 10 11:08 test

Given that bob is in the accounting group, what permissions does bob have in this directory?

- A. Full access
- B. None
- C. Read and Execute
-  D. Read and Write

Câu 24: Which command would set the default permissions on any new files you create?

- A. chperm
- B. chmod
-  C. umask
- D. acl

Câu 25: Which service would you use to run a program every week, at the same time?

- A. run
- B. queue
- C. at
-  D. cron

Câu 26: What file defines the different Linux runlevels?

-  A. inittab
- B. /etc/runlevel
- C. /etc/init
- D. /etc/startup

Câu 27: Which of these would not be part of a Linux installation?

- A. Selecting applications to be installed
- B. Partitioning the Hard drive
- C. Selecting the Language
-  D. Editing Configuration files

Câu 28: Say that you wanted to run a single program, tonight at 11pm, while you are at home, sleeping. What program should you use?

- A. run
- B. cron
- C. queue
-  D. at

Câu 29: Which of these applications will execute the X Windows server?

-  A. startx
- B. Init x
- C. xinit start
- D. telinit 1

Câu 30: Which of these commands would be used to search and replace text in a text file from a single command, at the command line?

- A. vi
- B. cat
- C. ls
-  D. sed

Câu 31: Which of these would set a variable called test to 123, in the bash shell?

- A. Variable test=123
-  B. test=123
- C. Var test=123
- D. set test=123

Câu 32: What variable controls what directories are searched when you run a command?

- A. SEARCH
- B. PS1
- C. PWD
-  D. PATH

Câu 33: Typing "cd" and pressing enter will take you where?

-  A. Your home directory
- B. /home/{user}
- C. The / directory
- D. /root

Câu 34: You have a runaway process on your system. It is PID number 123. What would you run to stop this process?

- A. kill -PID 123
- B. killall 123
- C. term 123
-  D. kill 123

Câu 35: Which of the following would create a text file with ps output in it?

- A. ps | textfile
-  B. ps > textfile
- C. ps | cat textfile
- D. cat textfile < ps

Câu 36: How would you rename a file 123 to 456?

- A. rename 456 123
-  B. mv 123 456
- C. cp 123 456
- D. mv 456 123

Câu 37: What is the common command used to compile programs?

- A. install
- B. create
-  C. make
- D. setup

Câu 38: Which of these command would delete all files in all subdirectories from the /test directory, on down?

-  A. rm -r /test
- B. rm -a /test
- C. . rm -R test
- D. rm -A /test

Câu 39: Which ls option would show you hidden files in a directory?

- A. -l
- B. -h
- C. -d
-  D. -a

Câu 40: Which of these programs would check a file system for errors?

-  A. fsck
- B. fdisk
- C. defrag
- D. diskutil

Câu 41: Which of these commands would allow you to view a text file?

- A. print
- B. show
- C. type
-  D. cat

Câu 42: Which of these commands shows the status of your Linux system's memory?

-  A. free
- B. mem
- C. memstat
- D. df

Câu 43: What type of package would make installation of a complex application the easiest?

-  A. rpm
- B. tar
- C. cpio
- D. debian

Câu 44: You run df and a line of the output looks like this:

/dev/sda1 101086 9956 85911 11% /boot

In this df output, what is "/boot"?

-  A. the mount point
- B. the virtual disk
- C. the disk drive
- D. the root drive

Câu 45: You type "xterm" and press enter. Your terminal window locks up and xterm window appears. What could you have done to prevent your terminal window from locking up?

-  A. xterm &
- B. fg xterm
- C. bg xterm
- D. background xterm

Câu 46: You try to install a new package but you are told that some other package is also required. What is that other package called? (choose the best answer)

- A. MSI installer
- B. rpm
- C. archive
-  D. dependency

Câu 47: Which of these would give you the PID number of a process run by the user "john"?

-  A. ps -ef | grep john
- B. ps john
- C. ps -f | grep PID

D. `ps john | grep PID`

Câu 48: Which of these would show you all files with 123 in the name?

A. `ls -l ABC???.txt`

B. `ls 123*.txt`

C. `ls *123`

 D. `ls *123*`

Câu 49: Typing "`cd .`" and pressing enter will take you where?

 A. Your current directory (nowhere)

B. The `/` directory

C. `/home/{user}`

D. Your home directory

Câu 50: Which of these commands would find a file that was just created in a user's home directory?

A. `locate`

 B. `find`

C. `whereis`

D. `grep`

Câu 51: Which of these command lines would edit a file, in your current directory, called `myfile.txt`?

A. `emacs /root/myfile.txt`

B. `gedit myfile.txt`

C. `edit myfile.txt`

 D. `vi ./myfile.txt`

Câu 52: Which of these commands would extract the tar file `/tmp/test.tar` to the current directory?

A. `tar avpf /tmp/test.tar`

 B. `tar xvpf /tmp/test.tar`

C. `tar xvp /tmp/test.tar`

D. `tar cvpf /tmp/test.tar`

Câu 53: Which of these are ATA hard drives?

A. `/dev/hdata1`

B. `/dev/ata1`

C. `/dev/sd1`

 D. `/dev/hda`

Câu 54: What command would you use to dismount the `tmpfs` filesystem?

A. `mount -u tmpfs`

 B. `umount tmpfs`

C. `unmount tmpfs`

D. `dismount tmpfs`

Câu 55: Which of these would I use to modify the priority of a process already running?

- A. nice
-  B. renice
- C. reprio
- D. prio

Câu 56: What file contains the default environment variables when using the bash shell?

- A. ~/.profile
- B. /bash
-  C. /etc/profile
- D. ~/bash

Câu 57: You need to delete the group tproject1. Which two of the following tasks should you do first before deleting the group?

- A. Check the /etc/passwd file to make sure no one has this group as his default group.
- B. Change the members of the data project group to another group besides users.
- C. Make sure that members listed in the /etc/group file are given new login names.
- D. Verify that no file or directory has this group listed as its owner.

- A. A and C
-  B. A and D
- C. B and C
- D. B and D

Câu 58: All groups are defined in the /etc/group file. Each entry contains four fields in the following order.

-  A. group name, password, GID, member list
- B. GID, group name, password, member list
- C. group name, GID, password, member list
- D. GID, member list, group name, password

Câu 59: You issue the following command `useradd -m bobm` But the user cannot login. What is the problem?

-  A. You need to assign a password to bobm's account using the `passwd` command.
- B. You need to create bobm's home directory and set the appropriate permissions.
- C. You need to edit the /etc/passwd file and assign a shell of bobm's account.
- D. The username must be at least five characters long.

Câu 60: You create a new user account by adding the following line to your /etc/passwd file.

`Bobm:baddog:501:501:BobMorris:/home/bobm:/bin/bash`

Bob calls you and tells you that he cannot login. You verify that he is using the correct username and password. What is the problem?

- A. The UID and GID cannot be identical.
- B. You cannot have spaces in the line unless they are surrounded with double quotes.
-  C. You cannot directly enter the password; rather you have to use the `passwd` command to assign a password to the user.
- D. The username is too short, it must be at least six characters long.

Câu 61: There are seven fields in the /etc/passwd file. Which of the following lists all the fields in the correct order?

- A. username, UID, password, GID, home directory, command, comment
-  B. username, password, UID, GID, comment, home directory, command
- C. UID, username, GID, home directory, password, comment, command
- D. username, password, UID, group name, GID, home directory, comment

Câu 62: You want to ensure that your system is not overloaded with users running multiple scheduled jobs. A policy has been established that only the system administrators can create any scheduled jobs. It is your job to implement this policy. How are you going to do this?

- A. Create an empty file called `/etc/cron.deny`.
-  B. Create a file called `/etc/cron.allow` which contains the names of those allowed to schedule jobs.
- C. Create a file called `/etc/cron.deny` containing all regular usernames.
- D. Create two empty files called `/etc/cron.allow` and `/etc/cron.deny`.

Câu 63: When defining a cronjob, there are five fields used to specify when the job will run. What are these fields and what is the correct order?

- A. minute, hour, day of week, day of month, month.
- B. minute, hour, month, day of month, day of week.
-  C. minute, hour, day of month, month, day of week.
- D. hour, minute, day of month, month, day of week.

Câu 64: What is the usual mode for the `/tmp` directory?

- A. 0777
- B. 0755
- C. 7777
-  D. 1777

Câu 65: You are creating a new partition in preparation for installing Linux. You want to have five different partitions. You have successfully created four partitions, but are unable to create the fifth one. What is the problem?

- A. Your hard drive is not large enough for more than four partitions.
- B. You need to create the swap partition last.
-  C. You created four primary partitions.
- D. Linux cannot be installed on more than four partitions.

Câu 66: When looking at the `/etc/passwd` file, you notice that all the password fields contain 'x'. What does this mean?

- A. The password is encrypted
-  B. That you are using shadow password.
- C. That all passwords are blank.
- D. That all passwords have expired.

Câu 67: After Bob leaves the company you issue the command `userdel bob`. Although his entry in the `/etc/passwd` file has been deleted, his home directory is still there. What command could you have used to make sure that his home directory was also deleted?

- A. `userdel -m bob`
- B. `userdel -u bob`
- C. `userdel -l bob`

 D. `userdel -r bob`

Câu 68: You create a new user by adding the following line to the `/etc/passwd` file `bobm::501:501:Bob Morris:/home/bobm:/bin/bash`. You then create the user's home directory and use the `passwd` command to set his password. However, the user calls you and says that he cannot log on. What is the problem?

- A. The user did not change his password.
-  B. `bobm` does not have permission to `/home/bobm`.
- C. The user did not type his username in all caps.
- D. You cannot leave the password field blank when creating a new user.

Câu 69: Which file defines all users on your system?

-  A. `/etc/passwd`
- B. `/etc/users`
 - C. `/etc/password`
 - D. `/etc/user.conf`

Câu 70: In order to schedule a cronjob, the first task is to create a text file containing the jobs to be run along with the time they are run. Which of the following commands will run the script `MyScript` every day at 11:45 pm?

- A. `* 23 45 * * MyScript`
- B. `23 45 * * * MyScript`
-  C. `45 23 * * * MyScript`
- D. `* * * 23 45 MyScript`

Câu 71: You need to create a new group called `sales` with Bob, Mary and Joe as members. Which of the following would accomplish this?

- A. Add the following line to the `/etc/group` file: `sales:44:bob,mary,joe`
- B. Issue the command `groupadd sales`
- C. Issue the command `groupadd -a sales bob,mary,joe`
-  D. Add the following line to the `/etc/group` file: `sales::44:bob,mary,joe`

Câu 72: Which of the following tasks is not necessary when creating a new user by editing the `/etc/passwd` file?

-  A. Create a link from the user's home directory to the shell the user will use.
- B. Create the user's home directory.
 - C. Use the `passwd` command to assign a password to the account.
 - D. Add the user to the specified group.

Câu 73: You notice that your server load is exceptionally high during the hours of 10 am to 12 noon. When investigating the cause, you suspect that it may be a cron job scheduled by one of your users. What command can you use to determine if your suspicions are correct?

- A. `crontab -u`
- B. `crond -u`
-  C. `crontab -l`
- D. `crond -l`

Câu 74: Mary has recently gotten married and wants to change her username from `mstone` to `mknight`. Which of the following commands should you run to accomplish this?

-  A. `usermod -l mknight mstone`
B. `usermod -l mstone mknight`
C. `usermod -u mknight mstone`
D. `usermod -u mstone mknight`

Câu 75: You attempt to use shadow passwords but are unsuccessful. What characteristic of the `/etc/passwd` file may cause this?

- A. The login command is missing.
B. The username is too long
 C. The password field is blank
D. The password field is prefaced by an asterisk

Câu 76: Which of the following user names is valid?

- A. Theresa Hadden
 B. thadden
C. Theresa H
D. thadden%

Câu 77: Which daemon must be running in order to have any scheduled jobs run as scheduled?

-  A. `crond`
B. `atd`
C. `atrun`
D. `crontab`

Câu 78: You have been assigned the task of determining if there are any user accounts defined on your system that have not been used during the last three months. Which log file should you examine to determine this information?

- A. `/var/log/wtmp`
 B. `/var/log/lastlog`
C. `/var/log/utmp`
D. `/var/log/messages`

Câu 79: You are installing Linux into a computer with two IDE hard drives. You plan on dividing each hard drive into two partitions. What are the names of the partitions?

- A. `hda1`, `hda2`, `hda3`, `hda4`
 B. `hda1`, `hda2`, `hdb1`, `hdb2`
C. `sda1`, `sda2`, `sda1`, `sdb2`
D. `sda1`, `sda2`, `sda3`, `sda4`

Câu 80: You have created a subdirectory of your home directory containing your scripts. Since you use the bash shell, what file would you edit to put this directory on your path?

-  A. `~/profile`
B. `/etc/profile`
C. `/etc/bash`
D. `~/bash`

Câu 81: You changed the GID of the sales group by editing the `/etc/group` file. All of the members can change to the group without any problem except Joe. He cannot even login to the system. What is the problem?

- A. Joe forgot his password for the group.
- B. You need to add Joe to the group again.
-  C. Joe had the original GID specified as his default group in the `/etc/passwd` file.
- D. You need to delete Joe's account and recreate it.

Câu 82: You have created special configuration files that you want copied to each user's home directories when creating a new user accounts. You copy the files to `/etc/skel`. Which of the following commands will make this happen?

- A. `useradd -m username`
-  B. `useradd -mk username`
- C. `useradd -k username`
- D. `useradd -Dk username`

Câu 83: Your company has implemented a policy that users' passwords must be reset every ninety days. Since you have over 100 users you created a file with each username and the new password. How are you going to change the old passwords to the new ones?

-  A. Use the `chpasswd` command along with the name of the file containing the new passwords.
- B. Use the `passwd` command with the `-f` option and the name of the file containing the new passwords.
- C. Open the `/etc/passwd` file in a text editor and manually change each password.
- D. Use the `passwd` command with the `u-` option.

Câu 84: While logged on as a regular user, your boss calls up and wants you to create a new user account immediately. How can you do this without first having to close your work, log off and logon as root?

- A. Issue the command `root log`.
-  B. Issue the command `su` and type `exit` when finished.
- C. Issue the command `su` and type `logoff` when finished.
- D. Issue the command `logon root` and type `exit` when finished.

Câu 85: One of your users, Bob, has created a script to reindex his database. Now he has it scheduled to run every day at 10:30 am. What command would you use to delete this job?

-  A. `crontab -ru bob`
- B. `crontab -u bob`
- C. `crontab -du bob`
- D. `crontab -lu bob`

Câu 86: As the system administrator you need to review Bob's cronjobs. What command would you use?

-  A. `crontab -lu bob`
- B. `crontab- u bob`
- C. `crontab -l`
- D. `cronq -lu bob`

Câu 87: You investigate a complaint and find that a malicious user has sent out a 20MB attachment to hundreds of recipients. You also find that it is the only job present in the outbound queue. Which command should be used to purge the queue?

- A. `sendmail -q`

B. `sendmail --flush -outbound`

 C. `rm /var/spool/mqueue/*`

D. `sendmail --purge=all`

Câu 88: What option is used with the `useradd` command to specify the user's home directory?

 A. `-d`

B. `-h`

C. `-u`

D. `-a`

Câu 89: What switch is used with the `usermod` command to change a user's secondary groups?

 A. `-G`

B. `-group`

C. `-d`

D. `-U`

Câu 90: You want to repeat the last command you entered. How would you do this?

A. `#`

 B. `!!`

C. `#l`

D. `##`

Câu 91: What option can be used with the `shutdown` command to cancel a pending shutdown?

 A. `shutdown -c`

B. `shutdown -x`

C. `shutdown -n`

D. `shutdown -u`

Câu 92: Which of the following are not required in the `/etc/passwd` file when creating a user account?

A. login name

B. userid

C. default group

 D. minimum password length

Câu 93: What runlevel represents basic multi-user?

 A. 2

B. 0

C. 1

D. 5

Câu 94: What command be used to find the systems previous runlevel?

 A. `runlevel`

- B. level
- C. rlevel previous
- D. show level previous

Câu 95: What syslog.conf facility represents user authentication processes?



- A. auth
- B. proc
- C. user
- D. login

Câu 96: What syslog.conf facility represents the cron daemon?

- A. crond
- B. daemon



- C. cron
- D. crontab

Câu 97: Which of the following syslog identifiers represents the highest priority?

- A. notice
- B. warning
- C. error



- D. critical

Câu 98: Which of the following switches can be used with the tar command to find out the difference between two tar files?

- A. -c
- B. -v



- C. -d
- D. -t

Câu 99: You want to add files to a previously created tar file. You want to replace existing files with newer files, how can you do this?

- A. Use the append command
- B. Use the tar command with the -t switch
- C. Use the add command



- D. Use the tar command with the -u switch

Câu 100: What syslog.conf facility represents kernel processes?

- A. user
- B. proc
- C. daemon



- D. kern

Câu 101: You want to view a listing of previously entered commands. What command would you use?

- A. hist

- B. histfile
- C. show buff
-  D. history

Câu 102: Which of the following syslog identifiers represents the highest priority?

- A. alert
- B. error
- C. critical
-  D. emerg

Câu 103: You want to uninstall lilo.
Which of the following would you do to accomplish this?

-  A. lilo -u
- B. remove lilo
- C. uninstall lilo
- D. lilo -r

Câu 104: You want to have the process /etc/myprocess run when the system enters run level 3. Which of the following inittab entries would accomplish this?

-  A. 5:3:once:/etc/myprocess
- B. 3:4:once:/etc/myprocess
- C. once:3:4:/etc/myprocess
- D. once:5:3:/etc/myprocess

Câu 105: What option can be used with the shutdown command to send a warning message alerting users that the system will be shut down?

-  A. shutdown -k
- B. shutdown -w
- C. shutdown -a
- D. shutdown -c

Câu 106: What runlevel represents multi-user?

-  A. 3
- B. 0
- C. 1
- D. 5

Câu 107: You want to add information to a previously created tar file.
How would you do this?

- A. Use the tar command with the -a switch
- B. Use the append command
- C. Use the add command
-  D. Use the tar command with the -r switch

Câu 108: What command can be used to print out system boot messages?

- A. bootm
- B. bmsg
- C. messages
-  D. dmesg

Câu 109: You want to set a 30 second delay before your system boots to the default kernel. Which of the following command lines would do this?

- A. lilo -t 30
-  B. lilo -d 30
- C. lilo delay 30
- D. lilo 30

Câu 110: What command can be used to show all variables?

-  A. set
- B. varlist
- C. show var
- D. show

Câu 111: Which of the following can be used to switch your system to run level 1?

-  A. init 1
- B. inittab 1
- C. rlevel 1
- D. level 1

Câu 112: You want to do a system shutdown, but you don't want the shutdown to occur immediately. You want the system to wait 60 seconds before doing the shutdown. What option can be used with the shutdown command to wait 60 seconds before starting the shutdown?

-  A. shutdown -t 60
- B. shutdown -w 1
- C. shutdown -c 60
- D. shutdown -t 1

Câu 113: What runlevel represents administration mode?

- A. 0
-  B. 1
- C. 6
- D. 5

Câu 114: What file does init processes use as its control file?

-  A. /etc/inittab
- B. /etc/proc
- C. /etc/init
- D. /etc/initproc

Câu 115: Which of the following commands can be used to create a tar archive file in verbose mode?

- A. tar -v
-  B. tar -cvf
- C. tar -c
- D. tar -vf

Câu 116: What is the name of the configuration file used by the syslog daemon?

-  A. syslog.conf
- B. syslogd
- C. slog.conf
- D. system.conf

Câu 117: What lilo.conf parameter will cause the root file system to be mounted read only?

- A. no-write
- B. read
- C. no-right
-  D. read-only

Câu 118: You want to have the process /etc/myprocess to run when the system enters run level 2. You want the system to wait until the process completes. Which of the following inittab entries would accomplish this?

-  A. 7:2:wait:/etc/myprocess
- B. 2:7:wait:/etc/myprocess
- C. wait:2:7:/etc/myprocess
- D. wait:7:2:/etc/myprocess

Câu 119: You want to repeat a command that began with the letters 'ab'. How would you do this?

-  A. !ab
- B. list ab
- C. #ab
- D. show ab

Câu 120: Which of the following commands can be used to extract a tar file?

- A. tar -vf
-  B. tar -xvf
- C. tar -e
- D. tar -v

Câu 121: What lilo.conf parameter is used to specify what device should be mounted as root by default?

-  A. root
- B. drive
- C. mntroot

D. mount

Câu 122: You want to find the full path of a certain command. How would you do this?

A. By using the 'where' command

B. By using the 'path' command

 C. By using the 'which' command

D. By using the 'man' command

Câu 123: You want a user's account to expire in ten days. What option used with the useradd command will allow you to do this?

 A. -e

B. -u

C. -d

D. -t

Câu 124: Which of the following can be used to switch your system to run level 3?

 A. init 3

B. rlevel 3

C. level 3

D. inittab 3

Câu 125: What command can be used to find the current runlevel?

 A. runlevel

B. level

C. show level

D. rlevel

Câu 126: What daemon controls the syslog?

A. syslog

 B. syslogd

C. logd

D. sys

Câu 127: Which lilo.conf parameter will specify the amount of time the system will wait before booting to the default image?

A. wait

 B. delay

C. pause

D. default

Câu 128: What switch is used with the useradd command to specify a user's initial group?

 A. -g

B. -i

C. -u

D. -ig

Câu 129: What option can be used with the shutdown command to skip fsck on reboot?



A. shutdown -f

B. shutdown -o

C. shutdown -r

D. shutdown -s

Câu 130: What run level represents a power down?

A. 5



B. 0

C. 1

D. 4

Câu 131: Which daemon will send kernel alert messages?

A. alertd

B. smtpd

C. krnlld



D. syslogd

Câu 132: What syslog.conf facility represents mail processes?

A. proc

B. daemon



C. mail

D. smtp

Câu 133: What command can be used to cause changes to the inittab file to take effect without a system reboot?



A. init q

B. init r

C. inittab r

D. inittab q

Câu 134: What option can be used with the shutdown command to reboot the system?



A. shutdown -r

B. shutdown -y

C. shutdown -c

D. shutdown -b

Câu 135: What run level represents a system reboot?



A. 6

B. 1

C. 2

D. 5

Câu 136: You want to find out what files are contained in a tar file. How would you do this?



- A. Use the tar command with the -t switch
- B. Use the tar command with the -r switch
- C. Use the grep command
- D. Use the find command

Câu 137: What syslog.conf facility represents httpd processes?



- A. http
- B. daemon
- C. smtp
- D. proc

Câu 138: You want to repeat command number 3 in your history. How would you do this?



- A. repeat 3
- B. !3
- C. show 3
- D. #3

Câu 139: You want to set a script to run when your Linux system reboots. What lilo option should you use?



- A. -R
- B. -S
- C. -T
- D. -L

Câu 140: What is the configuration file for the xscreensaver?



- A. xscreensaver.conf
- B. .xscreensaver
- C. xsaver.conf
- D. xdm-config

Câu 141: What operation of the make utility cannot normally be performed as a normal user?



- A. clean
- B. dep
- C. depends
- D. install

Câu 142: A user named Company needs to execute a system script file. What rights do the user need to execute a script file?

- A. Read, Write and Execute for all
- B. Execute only for user

- C. Read-only for user, Execute for group
-  D. Read and Execute in the same permission set

Câu 143: When a user executes the command "ps ax", what is shown on the console?

- A. Process's user-related information
- B. Processes used by the XFree86 System
-  C. All regular processes
- D. Processes on remote machines

Câu 144: To change all lower case characters in a file to upper case, pick the correct command.

- A. tr 'a-z' 'A-Z' file
- B. tr [a-z] [A-Z] < file
- C. tr "a-z" "A-Z" file
-  D. tr 'a-z' 'A-Z' < file

Câu 145: What will the command "kill -HUP 1354" do?

- A. Kill the process 1354 destructively
- B. Kill the process 1354, allowing cleanup of memory
-  C. Restart the process 1354, re-reading it's config files
- D. Restart the process 1354, resetting it's associated modem

Câu 146: You need to have all the output from the executable myprog written to a text log named file1.out. This program must not send any output to the console. Which of the commands listed will accomplish this?

-  A. myprog > file1.out 2>&1
- B. myprog > file1.out 1>&2
- C. myprog > file1.out 1> /dev/null
- D. myprog 1&2> file1.out

Câu 147: Two directories require different quota for file system usage. The /var/mail directory needs a 20MB quota, and the /home directories require a 40MB quota. What must be true about these directories?

- A. They must exist on Ext3 partitions
- B. They must be on different drives
-  C. They must be on different partitions
- D. They must be mounted by the root user

Câu 148: Which of the following directories would be the least likely to need backing up?

- A. /usr
- B. /etc
- C. /home
-  D. /swap

Câu 149: Which of the following will copy file1.txt to file2.txt?

-  A. cat file1.txt > file2.txt

- B. `cat file1.txt | file2.txt`
- C. `cp file1.txt > file2.txt`
- D. `cpio < file1.txt > file2.txt`

Câu 150: When you create a new file, the permissions show as 654. What value is the umask likely set at?



- A. 012
- B. 002
- C. 123
- D. 022

Câu 151: When you create a new directory, you see the permissions are set to 600. What umask value would cause this to happen?



- A. 177
- B. 066
- C. 244
- D. 155

Câu 152: You need to display all files in the current directory that start with a "a" and end with a "v", regardless of their length or use of delimiters. Choose the best answer.



- A. `ls a*v`
- B. `ls a.v`
- C. `ls a-v`
- D. `ls [a-v]`

Câu 153: What command with switches will display the disk utilization for all mounted file systems?



- A. `df`
- B. `du`
- C. `top`
- D. `free`

Câu 154: Which command will show the number of free and used inodes for your system's mounted file systems?



- A. `du -i`
- B. `df -i`
- C. `ls -iR/`
- D. `freeinodes`

Câu 155: What command will show the first 10 lines of a file by default?



- A. `head`
- B. `cat`
- C. `tac`
- D. `tail`

Câu 156: What command will show the last 10 lines of a file by default?

- A. `tail`



- B. head
- C. cat
- D. ps

Câu 157: How can you execute two commands, the second one being executed only if the first returns a nonzero (program execution failed) exit status?



- A. `command1 || command2`
- B. `command1 && command2`
- C. `command1 $$ command2`
- D. `command1 @@ command2`

Câu 158: What does the command "`foo < bar | foobar`" do?



- A. foo reads bar as stdin, pipes output to foobar
- B. foo and bar are fed to foobar as stdin
- C. foo's output is sent to bar, output is written to foobar
- D. None of the above

Câu 159: You want to move all files in `/dir1` to `/dir2` that begin with a and end with v. What is the correct command to do this?



- A. `mv /dir1/a*v /dir2`
- B. `mv -r /dir1/a.v /dir2`
- C. `move /dir1/a?v /dir2`
- D. `ls a*v | cp /dir2`

Câu 160: Regardless of the version of Linux, which of the following help start and stop services on demand?



- A. `inetd`
- B. `samba`
- C. `nfs`
- D. `amd`

Câu 161: What steps do not need to be performed, to make a new disk accessible to users?

- A. `fdisk`
- B. `mkfs`
- C. `mount`



- D. `quota on`

Câu 162: When the system is mounted, all file systems in the `/etc/fstab` are mounted, except those with what in the option column?

- A. `no mount`



- B. `noauto`
- C. `noatime`
- D. `nohup`

Câu 163: What two files are used to configure a user's environment that was created with the default options?

- A. ~/.profile, ~/.bashrc
- B. /etc/profile, /etc/bashrc
-  C. ~/.bash_profile, ~/.bashrc
- D. /etc/login, ~/.login

Câu 164: When executing a command that produces output to the screen, you get an exit code of 0. Choose the best description of what has happened

-  A. The program executed properly
- B. The program encountered an error
- C. The program requires more input
- D. The program terminated with a syntax error

Câu 165: Which utility would be used to verify the checksum of a downloaded archive file?

- A. verify
- B. cksum
-  C. md5sum
- D. chksum

Câu 166: With a Linux 2.2 Kernel-based machine configuration of 133 MHZ, 32 MB RAM and a 1 GB HD, how much swap should be configured?

- A. 512MB
- B. 256MB
- C. 128MB
-  D. 64MB

Câu 167: Which of the following will allow both the commands to execute, regardless of their individual exit status?

- A. command1 | command2
- B. command1 \$ command2
- C. command1 & command2
-  D. command1 ; command2

Câu 168: Which of the following will cause command2 not to execute if command1 fails?

- A. command1 & command2
-  B. command1 && command2
- C. command1 || command2
- D. command1 | command2

Câu 169: What line in the /etc/inittab file sets the runlevel a machine will enter when a graphical login is desired?

-  A. id:5:initdefault
- B. si:5:sysinit:/etc/rc.d/rc.sysinit
- C. x:5:respawn:/etc/X11/prefdm -no daemon
- D. # 5 - X11

Câu 170: What environment variable is used to remotely display another machines X session on yours?



- A. DISPLAY
- B. XSESSION
- C. SCREEN
- D. TTY

Câu 171: What file should you edit to exclude directories from being indexed by the slocate command?

- A. /etc/slocatedb.conf
- B. /etc/default/slocate
- C. /etc/slocated.conf



- D. /etc/updatedb.conf

Câu 172: You need to create a symbolic link in the current user's home directory named Company to the file /data/foobar. Choose the command that will accomplish this.

- A. link .Company /data/foobar
- B. ln /data/foobar \$HOME/Company
- C. ln -s /data/foobar ~/Company
- D. file --link /Company /data/foobar



Câu 173: Which of the following file system types causes the least impact when upgrading an Ext2 file system?



- A. Ext3
- B. ReiserFS
- C. JFS
- D. XFS

Câu 174: What command can find the program file "bar" and it's associated man pages and any existing source files, but not return all files that have "bar" in the command name or path?



- A. whereis
- B. find
- C. locate
- D. apropos

Câu 175: What command with options will show the currently mounted file systems usage in kilobytes?



- A. df -k
- B. df -h
- C. du -k
- D. du -h

Câu 176: You need to alter the permissions on the directory /home/mrking and all it's contents to match the following permissions.

drwxr--r--

Which of these commands with options and arguments will accomplish this?

- A. chmod 0744 mrking -R
- B. chmod 744 /home/mrking/*
- C. chmod -R u=rwx,g=r,o=r /home/mrking



D. `chmod u+rw,g+r,o+r /home/mrking`

Câu 177: What is the simplest and most direct command to check the integrity of an Ext2 file system?

A. `fsck.ext2`

B. `fsck -t ext2`



C. `e2fsck`

D. `ext2fsck`

Câu 178: If a file is symlinked to with a link name of file2, and that file is deleted, what happens to the contents of the file?

A. The contents still exist, and can be reached with file2



B. The contents are gone, leaving file2 orphaned

C. The file can be retrieved with `undelete -f file2`

D. File2 is another name to the original, and the contents are still there

Câu 179: Which utility on a system will report any excessive file system space remaining with very few inodes still available?



A. `fsck`

B. `debugfs`

C. `sync`

D. `showfiles`

Câu 180: What options will allow a normal user to mount and then unmount a file system without needing assistance from the root user?



A. `user` and `users` in the `/etc/fstab`

B. `user` and `users` in the `/etc/default/`

C. `user` and `users` in the `/etc/vfstab`

D. `user` and `users` in the `/etc/mnttab`

Câu 181: What does the `/etc/fstab` file contain references to?



A. Mount Points

B. User Options

C. File System Defaults

D. File System Permissions

Câu 182: Which of the following are executed ONLY during a Login session

A. `/etc/bashrc`

B. `~/bashrc`



C. `~/bash_profile`

D. `~/bash_logout`

Câu 183: Which of the following are NOT executed during a non-login shell?

A. `/etc/bashrc`

B. `~/bash_profile`



- C. ~/.bashrc
- D. ~/.bash_logout

Câu 184: In which file are you likely to find the global setting for the umask and ulimit?



- A. /etc/profile
- B. /etc/bashrc
- C. /etc/bash_profile
- D. ~/.bashrc

Câu 185: In which file are you likely to find the settings for umask, path, and ulimit on a per user basis?

- A. /etc/profile
- B. /etc/bashrc



- C. ~/.bash_profile
- D. ~/.bashrc

Câu 186: Which is a valid /etc/fstab entry

- A. fs1:/proc/mnt/fs1 nfs defaults 9 9
- B. /mnt/fs1 fs1:/proc nfs defaults 0 0



- C. fs1:/home /mnt/fs1 nfs defaults 0 0
- D. /mnt/home fs1:/home nfs defaults 0 0

Câu 187: What will happen when the following command is issued?
rpm -Uvh file

- A. The rpm file will be verified
- B. The installed package will be upgraded with the package in file, with verbose output
- C. The installed package may be upgraded with the package called file, giving verbose output and hash marks to show installation
- D. An error will occur as a package specifier was not included in the command line



Câu 188: Where is the quota information for users of volume /home stored?

- A. /etc/sysconfig/quota/quota.home.user
- B. /etc/quota/quota.home.user
- C. /home/quota.home.user



- D. /home/quota.user

Câu 189: How can you set the SGID on a file called Company Examiner?

- A. chmod u+s Companyexaminator
- B. chmod g+s Companyexaminator
- C. chmod o+s Companyexaminator
- D. chmod u+t Companyexaminator



Câu 190: Which steps are not necessary to compile and install a source code program? Choose the least amount possible.

- A. Extract source

-  B. edit makefile
- C. ./configure
- D. make install

Câu 191: Which command cannot normally be executed by a non-root user when compiling an application?

- A. make
- B. makefile
- C. ./configure

-  D. make install

Câu 192: What is the correct format for a proper command in the shell?

- A. Option Argument Command
- B. Command Argument Option
-  C. Command Option Argument
- D. Argument Command Option

Câu 193: What would the command "rpm --allmatches rpmname" do?

- A. Remove all packages named all matches
-  B. Remove all packages with the package name rpmname
- C. Remove all packages regardless of name
- D. Remove all packages except rpmname

Câu 194: Which command will output the exit status of the previous command (a 1 or a 0)?

-  A. echo \$?
- B. echo \$1
- C. echo \$EXIT
- D. exit status

Câu 195: Which of the following is a typical rule for allocating swap space for a Linux installation?

- A. Use 25% of available drive space for a swap partition.
- B. Use 10% of available drive space for a swap partition.
- C. Use 50% of total RAM for the size of a swap partition.
-  D. Use 200% of total RAM for the size of a swap partition.

Câu 196: You have compiled a program from source successfully, but you are getting permission errors when you try to install the binaries.

What is most likely the problem?

- A. Both rpm and dpkg need to be run as root.
- B. You have the wrong permissions set on the /usr/bin directory.
- C. The wrong prefix was used during the configuration or was not properly defined for the compile stage.

-  D. The binaries need to be installed into directories that need root privileges to write to them.

Câu 197: After a minor security incident you are instructed by your lead sys-admin to verify the RPM's installed on a running system.

Which command will create a complete report which you can analyze for changes which may be security related?



- A. rpm -Va >report
- B. rpm -Qavy >report
- C. rpm -Vqt --nomd5 >report
- D. rpm --check files >report

Câu 198: You need to know where all the configuration files for the installed package named "postfix" are located. Assuming it was installed with rpm, which command will list this information for you?



- A. rpm -qc postfix
- B. rpm -Vc postfix
- C. rpm --config postfix
- D. rpm -listconfig postfix

Câu 199: You are about to install a new program on an RPM based Linux system. Which of the following would be the best way to accomplish this?



- A. Get the source code in a tarball and install from that source.
- B. Get a source RPM and use rpm to install it.
- C. Use rpm to install the program's binaries from an RPM package.
- D. Use cp to extract the binaries from a source RPM and use rpm to install those sources.

Câu 200: You have just typed the following three commands and got the following output:

```
prompt> echo $PATH
/usr/bin:/usr/local/bin:/usr/sbin:/opt/kde/bin
prompt> pwd
/home/anna/games
prompt> ls
game1 game2 game3
```

You want to run the program game1, but get the response that it is not found. What did you forget to do?



- A. To type ./game1 rather than game1.
- B. To switch the directory /home/anna first.
- C. To unset your PATH before running the program.
- D. To set execution permissions for the program game1.

Câu 201: Which of these commands would report how many total accounts (including special accounts) there are?



- A. count /etc/passwd
- B. nl /etc/passwd | head
- C. wc --users /etc/passwd
- D. wc --lines /etc/passwd

Câu 202: You run the following commands:

```
[user@prompt]$ nice -n 1 program1
[user@prompt]$ nice -n 5 program2
[user@prompt]$ nice -n 8 program3
[user@prompt]$ nice -n 10 program4
```

Which of the program started will have the highest priority?



- A. program1
- B. program2

- C. program3
- D. program4

Câu 203: What symbol can be placed at the end of a line to indicate that the command continues on the next line?

A. /

 B. \

C. ;

D. :

Câu 204: Which program will allow you to change the priority of a program already running?

A. top

B. niceit

 C. renice

D. chnice

Câu 205: Which command removes all subdirectories in /tmp, regardless of whether they are nonexistent or in use?

A. del/tmp*

B. m -rf/tmp

C. rm -Ra/tmp*

 D. rm -rf/tmp*

Câu 206: What utility would use to remove/display columns from each line of a file?

A. pwd

B. col

 C. cut

D. tail

Câu 207: In the command 'test < king | Company'.

A. The stdout from the command Company is saved to the file test.

B. The stdout from the command test is saved to the file Company.

C. The command Company receives its stdin from the stderr of test.

 D. The command Company receives its stdin from the stdout of test.

Câu 208: To keep a process running after you logged out, you start it with the command:

 A. nohup

B. fg

C. live

D. sh

Câu 209: You have a Linux system with a 100GB ext2 partition containing large amounts of data. To minimize the boot time, you decide to convert it to a journaling file system.

Which journaling file system would be easiest to convert the partition to (without destroying existing data)?

A. resiserfs

B. vfat

-  C. ext3
- D. xfs

Câu 210: If you set the umask to 022, by default what permissions will your files have?

- A. 0220
- B. 0557
-  C. 0644
- D. 0755

Câu 211: What type of information is found in the `/etc/fstab` file?

- A. Information about mounted file systems.
- B. Information about hard disks such as cylinders and heads.
-  C. Information about file systems and mount points.
- D. Information about file systems types such as super block offset

Câu 212: You want to make sure certain directories are excluded when you update your locate database file. Where would you typically store this configuration?

- A. `/etc/locatedb.conf`
- B. `/etc/slocatedb.conf`
- C. `/etc/searchdb.conf`
-  D. `/etc/updatedb.conf`

Câu 213: Which entry in `/etc/fstab` will allow any user to mount and unmount `/dev/cdrom`?

- A. `/dev/cdrom /cd ro,noauto,unhide, all iso9660 0 0`
- B. `/dev/cdrom /cd iso9660 ro,noauto,nonroot 0 0`
-  C. `/dev/cdrom /cd iso9660 ro,user,noauto,unhide 0 0`
- D. `/dev/cdrom /cd iso9660 ro,noauto,defaults 0 0`

Câu 214: You have the following file:

`-rwxrwxr-x 1 foo root 0 Feb 23 07:48 /bin/foo`

Which of the following commands will change the owner of the file `/bin/foo` from the foo user to the bar user without affecting group ownership?

- A. `chown /bin/foo bar`
-  B. `chown bar /bin/foo`
- C. `chown bar.foo /bin/foo`
- D. `chown.foo.bar /bin/foo`

Câu 215: Which of the following programs can be used to find the foo program in the PATH and associated man pages, but not list every file containing foo on the system?

- A. `which`
- B. `search`
- C. `slocate`
-  D. `whereis`

Câu 216: What does the command "ln test king" typically do?

- A. It will create a symbolic link from test to king.
-  B. It will create a hard link from king to test.
- C. It will create a symbolic link from king to test.
- D. It will create a copy of the file test in king.

Câu 217: Your umask is set to 002. If you create a new file, what will the permission of the new file be?

-  A. -rw-rw-r--
- B. rwxrwx-w-
- C. -----w-
- D. rwxrwxr-x

Câu 218: Which two utilities can you use to set up a job to run at a specified time?

- A. at and crond
- B. atrun and crontab
-  C. at and crontab
- D. atd and crond

Câu 219: When is the most important time to restore a file from your backup?

-  A. On a regular scheduled basis to verify that the data is available
- B. When the system crashes
- C. When a user inadvertently loses a file
- D. When your boss asks to see how restoring a file works

Câu 220: Which one of the following factors does not play a role in choosing the type of backup media to use?

-  A. How frequently a file changes
- B. How long you need to retain the backup
- C. How much data needs to be backed up.
- D. How frequently the backed up data needs to be accessed

Câu 221: You attempt to log out but receive an error message that you cannot. When you issue the jobs command, you see a process that is running in the background. How can you fix this so that you can logout?

- A. Issue the kill command with the PID of each running command of the pipeline as an argument.
- B. Issue the kill command with the job number as an argument.
-  C. Issue the kill command with the PID of the last command as an argument
- D. Issue the kill command without any arguments

Câu 222: You need to search the entire directory structure to locate a specific file. How could you do this and still be able to run other commands while the find command is still searching for you file?

-  A. find / -name filename &
- B. find / -name filename
- C. bg find / -name filename
- D. &find / -name filename &

Câu 223: What file in the /proc file system will show you the parameters passed to your kernel at boot time?

- A. `/proc/apm`
- B. `/proc/stat`
- C. `/proc/kmsg`
-  D. `/proc/cmdline`

Câu 224: When an ext2 partition is formatted, a fixed percentage of the blocks on the disk are reserved for use by the root user. After the file system has been created this percentage can be modified using which utility?

-  A. `tune2fs`
- B. `mke2fs`
- C. `e2fsck`
- D. `mount`

Câu 225: On an ext2 file system, a running daemon has created a large logfile that is beginning to fill the disk. After deleting the file with an `"rm -f"` command as root, `"df"` shows that the space is still in use even though the file is not shown using `"ls"`. To reclaim this space you must:

-  A. Restart the daemon.
- B. Unmount and remount the file system.
- C. Use `sync`.
- D. Recreate the file.

Câu 226: You need to use `grep` to search for specific log entries. Given the following three log entries, which `grep` command will match only one line? Assume that every pattern matches at least one line.

Jun 16 01:46:18 hostname pumpd[10]: PUMP: got an offer
Jun 17 21:52:28 hostname kernel: SCSI subsystem driver Revision: 1.00
Jul 20 11:09:01 hostname /USR/SBIN/CRON[1800]: (mail) CMD runq

- A. `grep "hostname\ [^\]*\[A-Z]*:"`
- B. `grep "Ju[I-Z]\[0-9].*:.1"`
- C. `grep "hostname"`
-  D. `grep "[0-9]:[1-8]*\ host.*\(.*)"`

Câu 227: How can you determine who has scheduled at jobs?

-  A. `at -l`
- B. `at -q`
- C. `at -d`
- D. `atwho`

Câu 228: You are covering for another system administrator and one of the users asks you to restore a file for him. You locate the correct tarfile by checking the backup log but you do not know how the directory structure was stored. What command can you use to determine this?

- A. `tar fx tarfile dirname`
- B. `tar tvf tarfile filename`
- C. `tar ctf tarfile`
-  D. `tar tvf tarfile`

Câu 229: Using command substitution, how would you display the value of the present working directory?

-  A. `echo $(pwd)`
- B. `echo pwd`

- C. `$pwd`
- D. `pwd | echo`

Câu 230: Every time you attempt to delete a file using the `rm` utility, the operating system prompts you for confirmation. You know that this is not the customary behavior for the `rm` command. What is wrong?

-  A. `rm` has been aliased as `rm -i`
- B. The version of `rm` installed on your system is incorrect.
- C. This is the normal behavior of the newest version of `rm`.
- D. There is an incorrect link on your system.

Câu 231: In your present working directory, you have the files.

`maryletter`

`memo1`

`MyTelephoneandAddressBook`

What is the fewest number of keys you can type to open the file `MyTelephoneandAddressBook` with `vi`?

-  A. 6
- B. 28
- C. 25
- D. 4

Câu 232: After typing in a new command and pressing enter, you receive an error message indicating incorrect syntax. This error message originated from?

- A. The shell
- B. The operating system
-  C. The command
- D. The kernel

Câu 233: Assuming modules for all supported file systems have been loaded, which file contains a list of file systems that can be currently mounted on the system?

-  A. `/proc/filesystems`
- B. `/dev/filesystems`
- C. `/etc/filesystems`
- D. `/var/fs/filesystems`

Câu 234: You maintain daily backups of a large file, as well as calculating an MD5 checksum with `md5sum`. When verifying the contents of one such backup, you notice that the new checksum is different from the previous one by only one byte. What does this tell you about the contents of the file?

- A. A single character in the original file has been modified.
- B. 1/32nd of the original file has been modified.
- C. 1/128th of the original file has been modified.
-  D. It tells you that the original file has been modified.

Câu 235: Several of your users have been scheduling large at jobs to run during peak load times. How can you prevent anyone from scheduling an at job?

- A. Delete the file `/etc/at.deny`
- B. Create an empty file called `/etc/at.deny`
- C. Create two empty files: `/etc/at.deny` and `/etc/at.allow`

 D. Create an empty file called `/etc/at.allow`

Câu 236: When you back up only the files that have changed since the last backup, this is called a _____ backup.

A. Partial

 B. Differential

C. Full

D. Copy

Câu 237: Which of the following environment variables determines your working directory at the completion of a successful login?

 A. HOME

B. BASH_ENV

C. PWD

D. BLENDERDIR

Câu 238: After experimenting with vi as your command line editor, you decide that you want to have vi your default editor every time you log in. What would be the appropriate way to do this?

A. Change the `/etc/inputrc` file

B. Change the `/etc/profile` file

 C. Change the `~/.inputrc` file

D. Change the `~/.profile` file

Câu 239: You want to enter a series of commands from the command line. What would be the quickest way to do this?

A. Press enter after entering each command and its arguments

B. Put them in a script and execute the script

 C. Separate each command with a semi-colon (;) and press enter after the last command.

D. Separate each command with a / and press enter after the last command.

Câu 240: You need to copy all the files and directories contained in the home directory to another location. What utility can you use for this?

A. cpio

 B. cp

C. mv

D. mvdir

Câu 241: When you only back up one partition, this is called a _____ backup.

A. Differential

B. Full

 C. Partial

D. Copy

Câu 242: You issue the command `jobs` and receive the following output:

[1]- Stopped (tty output) pine

[2]+ Stopped (tty output) My Script

How would you bring the My Script process to the foreground?

 A. `fg %2`

- B. `ctrl-c`
- C. `fg My Script`
- D. `ctrl-z`

Câu 243: You are entering a long, complex command line and you reach the right side of your screen before you have finished typing. You want to finish typing the necessary commands but have the display wrap around to the left. Which of the following key combinations would achieve this?

- A. `Esc, /, Enter`
-  B. `\, Enter`
- C. `ctrl-d, enter`
- D. `esc, /, ctrl-d`

Câu 244: While attempting to boot your i386 system, the boot process fails with a message that the root file system could not be mounted. Which stage of the boot process is failing?

-  A. Kernel
- B. Boot loader
- C. BIOS POST
- D. Init

Câu 245: On a system with separate partitions for `/`, `/usr`, `/var`, `/tmp`, which file system[s] can safely be mounted read-only?

- A. `/var, /usr`
- B. `/var`
- C. `/usr, /, /tmp`
-  D. `/usr`

Câu 246: As a system administrator, you are instructed to backup all the users home directories. Which of the following commands would accomplish this?

- A. `tar rf usersbkup home/*`
-  B. `tar cf usersbkup home/*`
- C. `tar cbf usersbkup home/*`
- D. `tar rvf usersbkup home/*`

Câu 247: What would be displayed as the result of issuing the command `ps ef`?

-  A. A listing of the users running processes formatted as a tree.
- B. A listing of the stopped processes.
- C. A listing of all the running processes formatted as a tree.
- D. A listing of all system processes formatted as a tree.

Câu 248: You have installed a new application but when you type in the command to start it you get the error message: Command not found
What do you need to do to fix this problem?

-  A. Add the directory containing the application to your path.
- B. Specify the directory's name whenever you run the application.
- C. Verify that the execute permission has been applied to the command.
- D. Give everyone read, write and execute permissions to the application's directory

Câu 249: What file will show you the IRQs being used by different hardware devices?



- A. `/proc/interrupts`
- B. `/proc/irqs`
- C. `/proc/irq`
- D. `/proc/int`

Câu 250: You enter the command
`cat MyFile | sort > DirList &`
and the operating system displays
[4] 3499
What does this mean?



- A. This is job number 4 and the PID of the sort command is 3499.
- B. This is job number 4 and the PID of the job is 3499.
- C. This is job number 3499 and the PID of the cat command is 4.
- D. This is job number 4 and the PID of the cat command is 3499.

Câu 251: Which of the following interprets your actions when typing at the command line for the operating system?



- A. Utility
- B. Application
- C. Shell
- D. Command

Câu 252: On a running system, where can you find specific information about the partition tables, such as major and minor device numbers, and number of blocks?



- A. `/proc/partitions`
- B. `/proc/cpuinfo`
- C. `/proc/fstab`
- D. `/etc/partitions`

Câu 253: What file will tell you at what frequency the system processor is running?



- A. `/proc/cpuinfo`
- B. `/proc/frequency`
- C. `/proc/speed`
- D. `/proc/mhz`

Câu 254: On a default Linux system, what file system type does the dump command act upon?



- A. Ext2
- B. UFS
- C. JFS
- D. XFS

Câu 255: Which file system should never be backed up, and therefore never have to be restored?

- A. `usr`
- B. `tmp`

C. home

 D. swap

Câu 256: What command will set a regular users password to force changing it every 60 days?

 A. passwd -x 60 user1

B. passwd +x 60 user1

C. useradd -e 60 user1

D. usermod -f 60 user1

Câu 257: Which two commands share the same database for retrieving information?

 A. whatis, apropos

B. whereis, apropos

C. apropos, find

D. find, whereis

Câu 258: What command will show only complete word matches for a search term?

 A. whatis

B. apropos

C. locate

D. find

Câu 259: What command will show partial word matches for a search term?

 A. apropos

B. locate

C. whereis

D. whatis

Câu 260: What file on a system contains a list of hosts that can't connect to the machine's services?

A. /etc/hosts/denial

 B. /etc/hosts.deny

C. /etc/host.notallow

D. /etc/inetd.conf

Câu 261: What command with options will cause the redirection symbol (>) to fail to overwrite the contents of an existing file?

 A. set -o noclobber

B. set +o no overwrite

C. export OVERWRITE=no

D. alias >='!>'

Câu 262: Where can the lilo command install the boot menu and information?

 A. Master Boot Record

B. BIOS

- C. BootBlk
- D. Boot Prom

Câu 263: Where are the default settings for the useradd command kept?



- A. /etc/default/useradd
- B. /etc/sysconfig/useradd.cfg
- C. /etc/.useradd
- D. /etc/defaults/useradd

Câu 264: Which daemon allows Linux to share it's file systems and printers with unmodified Windows clients?

- A. X Window
- B. nmbd



- C. smbd
- D. WINS

Câu 265: Which backup method resets the archive bit?



- A. Incremental
- B. Differential
- C. Copy
- D. Dir Tree

Câu 266: Which file is responsible for configuring the inet daemon?



- A. /etc/inetd.conf
- B. /etc/xinetd.conf
- C. /etc/tcpd.conf
- D. /etc/inet.conf

Câu 267: You have just added new modules to your system. What command would you execute to rebuild the modules.dep file?

- A. depmod --rebuild
- B. update-dependencies



- C. depmod -a
- D. insmod -dependencies

Câu 268: To learn more about the management or ownership of a website, what's the best utility to use?

- A. tracert
- B. traceroute



- C. whois
- D. ping

Câu 269: To increase system security, it is often desirable to run daemons for system services with nonroot user ids. Which one of the following services can be run as a non-root user?

- A. inetd
- B. named

C. rlogind



D. crond

Câu 270: You want to change the aging information in the `/etc/shadow` file. What is the best utility to use to do this?

A. vi

B. emacs

C. usermod



D. chage

Câu 271: How many cron fields are there for specifying the time to execute a cron job?

A. 1

B. 3

C. 4



D. 5

Câu 272: What command will unload a kernel module?



A. rmmod

B. unmod

C. delmod

D. modprobe

Câu 273: Which of the following commands can be used to view kernel messages?

A. less dmesg



B. less /var/log/boot.log

C. cat /proc/kernel |less

D. cat /proc/dmesg

Câu 274: You need to find all references in your system documentation to the word "copy". Which of the following will best accomplish this task?

A. man copy

B. which copy

C. apropos copy



D. grep "copy" /usr/man/*

Câu 275: You want to find the man pages for utilities and tools related to PPP, but you don't know the name of the specific commands.

How can you get a list of man pages that contain information about PPP?

A. whatis ppp

B. man ppp



C. apropos ppp

D. mandb ppp

Câu 276: Which of the following files has the correct permissions?

A. -rw--w--w- 1 root root 369 Dec 22 22:38 /etc/shadow

- B. -rwxrw-rw- 1 root root 369 Dec 22 22:38 /etc/shadow
- C. -rw-r--r-- 1 root root 369 Dec 22 22:38 /etc/shadow



- D. -rw----- 1 root root 369 Dec 22 22:38 /etc/shadow

Câu 277: You have a user whose account you want to disable but not remove. What should you do?

- A. Edit /etc/gshadow and just remove his name
- B. Edit /etc/passwd and change all numbers to 0
- C. Edit /etc/shadow file and remove the last field.



- D. Edit /etc/passwd and insert an * after the first :

Câu 278: What is the purpose of the bash built-in export command?

- A. To allow disks to be mounted remotely
- B. To run a command as a process in a sub-shell.
- C. To make the command history available to sub-shells



- D. To setup environment variables for applications.

Câu 279: Which of the following is the true operating system component within Linux?

- A. Linux libraries



- B. Linux kernel

- C. X Window System

- D. bash shell

Câu 280: Which of the following provides pre-written code that programmers can use in Linux programs?

- A. Linux kernel
- B. X Window System
- C. bash shell



- D. Linux libraries

Câu 281: You are a computer programmer. Your supervisor wants you to download the source code for the latest Linux kernel and modify it to support a custom application your company is developing for use in-house. Can you do this?

- A. No, the source code for Linux is no longer available on the Internet.
- B. No, the copyright on the source code won't permit it.
- C. Yes, but you must pay a royalty to the GNU Project.



- D. Yes, you can create a new Linux flavor and even redistribute it as long as the source code remains freely available.

Câu 282: Which Linux services could be used to provide network file storage for users?

- A. MySQL
- B. PostgreSQL



- C. Samba

- D. FileManager

Câu 283: Which Linux services could be used as a database server?



- A. MySQL

- B. NFS
- C. Samba
- D. NIS

Câu 284: Which shell is the default shell for most Linux distributions?

- A. sh
- B. csh
-  C. bash
- D. zsh

Câu 285: You've downloaded an executable file named `updatedb.sh` from your company's FTP server to `/tmp` on your Linux system. You open a shell and change to the `/tmp` directory. When you enter `updatedb.sh`, the shell indicates that it can't find the file. What can you do?

- A. Enter the file name in all capital letters.
-  B. Add a `/` before the file name when entering it at the prompt.
- C. Enter the file name without the `.sh` extension.
- D. Move the file to your home directory and then execute it.

Câu 286: You need to find out what directories in the Linux file system are parts of the path. What command can you use?

-  A. `env`
- B. `show $PATH`
- C. `man path`
- D. `writeln PATH`

Câu 287: You've downloaded an executable file named `updatedb.sh` from your company's FTP server to `/tmp` on your Linux system. You open a shell and change to the `/tmp` directory. When you enter `Updatedb.sh`, the shell indicates that it can't find the file. What can you do?

-  A. Enter the file name in all lower-case letters.
- B. Add a `.` before the file name when entering it at the prompt.
- C. Enter the file name without the `.sh` extension.
- D. Move the file to your home directory and then execute it.

Câu 288: Which Linux utility can be used to display a list of all running processes on your system?

- A. `env`
- B. `procman`
- C. `processes`
-  D. `top`

Câu 289: Which Linux utility can be used to change to a different user account at the shell prompt?

- A. `user`
- B. `chuser`
- C. `swuser`
-  D. `su`

Câu 290: You're installing a new Linux system. This system will be used by a civil engineer to model the behavior of

buildings and bridges during an earthquake. This system must run as fast as possible. It must protect the integrity of the data if the system goes down unexpectedly. If it does go down, the system needs to be back up and running as quickly as possible. Which file system would be the best choice?

A. FAT32



B. Reiser

C. ext3

D. ext2

Câu 291: Which partition is used for virtual memory by a Linux system?

A. pagefile



B. swap

C. /boot

D. /tmp

Câu 292: If your system has 1GB of RAM installed, how big should your swap partition be?

A. 256MB

B. 1GB

C. 512GB



D. 2GB

Câu 293: Your Linux system uses two SCSI hard disk drives. The first drive is assigned SCSI ID 0; the second drive is assigned SCSI ID 1. Which of the following refers to the second SCSI drive in the system?

A. /dev/sda

B. /dev/sdc



C. /dev/sdb

D. /dev/sdd

Câu 294: Your Linux system uses a single IDE hard disk drive. Which of the following refers to the first partition on the IDE drive?



A. /dev/hda1

B. /dev/hdb1

C. /dev/hda2

D. /dev/hdb2

Câu 295: Your Linux system uses a single IDE hard disk drive. Which of the following refers to the second partition on the IDE drive?

A. /dev/hda1

B. /dev/hdb1



C. /dev/hda2

D. /dev/hdb2

Câu 296: Your Linux system uses two SCSI hard disk drives. The first drive is assigned SCSI ID 0; the second drive is assigned SCSI ID 1. Which of the following refers to the first partition on the second SCSI drive in the system?

A. /dev/sda1

B. /dev/sdc1

-  C. `/dev/sdb1`
D. `/dev/sdd1`

Câu 297: Which utility is used to view manual pages?

-  A. `man`
B. `manual`
C. `viewman`
D. `Kwrite`

Câu 298: Which environment variable contains the directory where man page files are located?

- A. `MANUAL`
B. `MANUALPATH`
C. `MANPAGEPATH`
 D. `MANPATH`

Câu 299: Which file can be used to configure the path to the man page files?

-  A. `/etc/man.config`
B. `/etc/man.conf`
C. `/etc/man.txt`
D. `/etc/manual.conf`

Câu 300: You need to learn about the options available for the `mkdir` utility. Which command will display its manual page?

- A. `cat mkdir |more`
B. `cat mkdir |man`
C. `manual mkdir`
 D. `man mkdir`

Câu 301: You need to learn about the options available for the `chmod` utility. Which command will display its manual page?

- A. `cat chmod |man`
B. `manual chmod`
 C. `man chmod`
D. `display chmod man page`

Câu 302: Which section in a man page provides a brief review of the syntax used for a particular command or utility?

- A. `REVIEW`
 B. `SYNOPSIS`
C. `DESCRIPTION`
D. `SYNTAX`

Câu 303: Which section in a man page provides a list of man pages or other resources related to the particular command or utility?

- A. `DESCRIPTION`
B. `VERSION`

-  C. SEE ALSO
- D. REFERENCES

Câu 304: You're using man to view the man page for the chown utility. Which keystroke will unload the current man page and exit man?

- A. Ctrl_U
- B. x
- C. Ctrl_X

-  D. Q

Câu 305: You're using man to view the man page for the Samba service. Which keystrokes can you use to search for the term "password" in the man page?

- A. /"password"
- B. Ctrl_S

-  C. /password
- D. search "password"

Câu 306: After searching for a term within a man page, you need to jump to the next instance of the term in the page. Which keystroke will do this?

- A. Q
- B. P

-  C. N
- D. S

Câu 307: You need to search for man pages that relate to the Samba service. Which command will do this?

- A. man -s samba

-  B. man -k samba
- C. search samba | man
- D. which samba

Câu 308: You need to search for man pages that relate to the PAM service. Which command will do this?

- A. which pam
- B. man -s pam
- C. search pam | man

-  D. apropos pam

Câu 309: You need to use info to view information about using the smbpasswd utility. Which command will do this?

- A. info /smbpasswd
- B. info "smbpasswd"
- C. show info smbpasswd

-  D. info smbpasswd

Câu 310: While viewing an info node, which keystroke can be used to navigate to the next node?

- A. /next

B. P

 C. N

D. L

Câu 311: While viewing an info node, which keystroke can be used to navigate to the previous node?

 A. p

B. /prev

C. n

D. /up

Câu 312: While viewing an info node, which keystroke can be used to navigate to the beginning of the node?

A. b

B. /top

 C. Home key

D. t

Câu 313: You need to learn how to set up and configure the Samba service on a Linux server. Which resource would be the best place to search for instructions?

A. The samba info node

B. The Linux Documentation Project

 C. The knowledgebase on your vendor's Web site

D. The samba man page

Câu 314: You need to look up an error code displayed when your Linux workstation booted. Which resource would be the best place to search for a resolution?

A. info

 B. The Linux Documentation Project

C. A search engine such as Google or Yahoo

D. man

Câu 315: Where are operating system and application configuration parameters stored on a Linux system?

 A. In text files

B. In the Registry

C. In .ini files

D. In the system database

Câu 316: Where are most configuration files stored in the Linux file system?

A. /boot

B. /var

C. /usr

 D. /etc

Câu 317: Where can you find the vi symbolic link file on most Linux distributions?

 A. /usr/bin

- B. `/boot`
- C. `/etc`
- D. `/var/vi`

Câu 318: Which of the following is an advantage of the vi editor?

- A. It provides a syntax checker.
- B. It provides a menu-driven user interface.
-  C. It is small enough to fit on a floppy.
- D. It can be used to edit Microsoft Word files.

Câu 319: You have a terminal window open and the current directory is `/tmp`. You need to use vi to open a file named `vnc` in the `/etc/xinetd.d` directory on your system. Which of the following commands will do this?

- A. `vi vnc`
- B. `vi /tmp/vnc`
-  C. `vi /etc/xinetd.d/vnc`
- D. `vi /etc/xinetd.d`

Câu 320: You have a terminal window open and the current directory is your user's home directory. You need to create a new file in your home directory named `resources.txt` using vi. Which of the following commands will do this?

- A. `vi resources.txt -new`
- B. `vi resources`
- C. `vi ~/resources`
-  D. `vi resources.txt`

Câu 321: Which mode does vi open in by default?

- A. Command mode
- B. Insert mode
-  C. Normal mode
- D. Replace mode

Câu 322: You've opened a text file named `list.txt` in vi. You move the cursor using the arrow keys to the point in the file where you need to make several changes. You try to type, but nothing happens. Why is this happening?

- A. The vi editor is in insert mode. You need to switch to normal mode.
-  B. The vi editor is in normal mode. You need to switch to insert mode.
- C. The vi editor is in insert mode. You need to switch to replace mode.
- D. The text file is corrupt.

Câu 323: Which keystroke will switch vi from normal mode to insert mode?

- A. DELETE
- B. ESC
-  C. INSERT
- D. F1

Câu 324: You are using vi to edit a text file in insert mode. Because of the nature of the changes you're making to the file,

you need to switch to replace mode. Which keystroke will do this?

- A. ESC
- B. CTRL_X CTRL_R
- C. :



D. INSERT

Câu 325: You're using vi to edit a file in insert mode. You need to switch back to normal mode. Which keystroke will do this?

- A. INSERT
- B. :



C. ESC

D. BACKSPACE

Câu 326: You're using vi to edit a file in insert mode. You try to use the BACKSPACE key to delete a word, but nothing happens. What's wrong with the system?

- A. You need to switch to normal mode.
- B. You need to switch to replace mode.
- C. Nothing is wrong BACKSPACE doesn't work in vi.
- D. You need to switch to command mode.



Câu 327: You've created a new file using vi and now need to save the file. Which command will do this?

- A. :s
- B. :w
- C. :save
- D. :writeln



Câu 328: You've created a new file using vi and need to save the file to disk and exit the program. Which command will do this?

- A. :w
- B. :se



C. :wq

D. :q

Câu 329: You've made several changes to a configuration file using vi. You realize that you've made a myriad of mistakes and want to quit without saving the changes so you can start over. Which command will do this?



- A. :q!
- B. :exit
- C. :q
- D. :exit!

Câu 330: You're working with a file in vi in normal mode. You locate a word in the file that needs to be deleted and place your cursor at the beginning of that word. Which command will delete this word without deleting the space that follows the word?

A. dw



B. de

- C. d\$
- D. dd

Câu 331: You're viewing a configuration file in vi in normal mode. You need to locate a directive named server in the file. However, the file is very long and you don't want to scan through it line by line. What command can you use to search for this term?

-  A. /server
- B. search=server
- C. /"server"
- D. find "server"

Câu 332: Which of the following is an advantage of using a graphical text editor in Linux?

- A. It can be used in an emergency repair situation.
- B. It is small enough to fit on an emergency boot diskette.
- C. It can be used to work on Microsoft Word files.
-  D. It is generally easier to use than a text-based editor.

Câu 333: Which desktop environment uses Kate as the default graphical text editor?

- A. GNOME
- B. Sawfish
-  C. KDE
- D. ICE

Câu 334: Which desktop environment uses gedit as the default graphical text editor?

-  A. GNOME
- B. Sawfish
- C. KDE
- D. ICE

Câu 335: Which of the following are roles of the Linux file system?

- A. Create automatic backups of system data.
-  B. Make data easily locatable.
- C. Provide the user with a command-line interface.
- D. Provide the user with a graphical user interface.

Câu 336: Which directory contains file system management utilities such as cp or rm?

-  A. /bin
- B. /dev
- C. /var
- D. /usr

Câu 337: Which directory is a pseudo file system that is dynamically created when it is accessed?

- A. /var
- B. /opt

-  C. `/proc`
D. `/sys`

Câu 338: Which directory does the `~` character represent when used with file system commands?

- A. `/var`
B. The current directory
 C. The current user's home directory
D. The root user's home directory

Câu 339: You need to generate a listing of files and directories within the `/var` directory, including files in subdirectories. Which command will do this?

- A. `ls /var`
B. `ls -l /var`
C. `ls -f /var`
 D. `ls -R /var`

Câu 340: You need to view the last few lines of your `/var/xinetd.log` file. Which is the best command to do this?

-  A. `tail /var/xinetd.log`
B. `cat /var/xinetd.log | more`
C. `head /var/xinetd.log`
D. `less /var/xinetd.log`

Câu 341: You need to delete the Temp directory within your user's home directory. Given that Temp has files in it, which is the best command to do this?

- A. `rmdir Temp`
B. `rmdir ~/Temp`
C. `rm Temp`
 D. `rm ~/Temp`

Câu 342: You need to copy the Documents directory within your user's home directory to the `/tmp` directory. Given that Documents has files and subdirectories within it, which is the correct command to do this?

- A. `cp ~/Documents /tmp`
 B. `cp -R ~/Documents /tmp`
C. `cp ~/Documents ~/tmp`
D. `cp -R ~/Documents ~/tmp`

Câu 343: You want to create a symbolic link in your home directory that will link the manual file to the `/usr/share/doc/manual` directory. Which is the correct command to do this?

-  A. `ln -s /usr/share/doc/manual ~/manual`
B. `ln /usr/share/doc/manual ~/manual`
C. `ln -s ~/manual /usr/share/doc/manual`
D. `ln ~/manual /usr/share/doc/manual`

Câu 344: You need to run an executable file named `install` located in the current directory. Which is the best command to do this?

- A. `install`

-  B. `/install`
C. `~/install`
D. `$PATH:install`

Câu 345: You need to find a file named `myfile.txt` somewhere in your Linux file system. Which is the correct command to do this?

-  A. `find / -name "myfile.txt"`
B. `find "myfile.txt"`
C. `find / -name myfile.txt`
D. `find -name "myfile.txt"`

Câu 346: You need to find all entries in your `/var/log/messages` file that contain the term "scsi." Which is the correct command to do this?

- A. `grep /var/log/messages "scsi"`
B. `grep "scsi" /var/log/messages`
C. `grep /var/log/messages scsi`
 D. `grep scsi /var/log/messages`

Câu 347: You need use `fdisk` to format the slave drive on the secondary IDE channel. Which is the correct command to do this?

-  A. `fdisk /dev/hdd`
B. `fdisk /dev/sdd`
C. `fdisk /dev/hda4`
D. `fdisk /dev/hdb2`

Câu 348: You need to format the first partition on the slave drive on the secondary IDE channel using the `ext3` file system. Which is the correct command to do this?

- A. `mkext3fs /dev/hdd1`
 B. `mkfs -t ext3 /dev/hdd1`
C. `mkfs -t ext3 /dev/hda4`
D. `mkreiserfs -t ext3 /dev/hdd1`

Câu 349: Which file is used to automatically mount file systems when the system initially boots?

- A. `/etc/mtab`
B. `/proc/mounts`
C. `/etc/inittab`
 D. `/etc/fstab`

Câu 350: You need to mount a CD disc on `/media/cdrecorder`. Given that the CD drive is the slave drive on the secondary IDE channel, which is the best command to do this?

-  A. `mount -t iso9660 /dev/hdd /media/cdrecorder`
B. `mount -t cdrom /dev/hdd /media/cdrecorder`
C. `mount -t iso9660 /dev/hdc /media/cdrecorder`
D. `mount -t iso9660 /dev/hda ~/cdrecorder`

Câu 351: You need to mount a USB flash drive on your Linux system. Given that your Linux system doesn't currently have

any SCSI adapters or devices installed, which file represents the flash drive when it is inserted?

- A. `/dev/hda`
- B. `/dev/usb`
-  C. `/dev/sda`
- D. You must install a SCSI adapter for the USB device to be recognized.

Câu 352: Which type of backup backs up all files modified since the last full backup and does not flag the files as having been backed up?

- A. Full
- B. Incremental
-  C. Differential
- D. Partial

Câu 353: You need to create a backup of `/etc` to a removable hard disk drive mounted at `/mnt/USB`. Which tar command will do this?

-  A. `tar -cfv /mnt/USB/backup.tar /etc`
- B. `tar -xvf ~/backup.tar /etc`
- C. `tar -xzf /mnt/USB/backup.tar /etc`
- D. `tar -cfv /mnt/USB/backup.tar ~/etc`

Câu 354: Which of the following commands will display the UID of a user named dcoughanour when entered at the shell prompt?

-  A. `id dcoughanour`
- B. `finger dcoughanour`
- C. `UID dcoughanhour`
- D. `info dcoughanour`

Câu 355: Which of the following files is used to store user accounts on a Linux system that has been configured to use local authentication?

- A. `/etc/shadow`
- B. `/etc/users`
-  C. `/etc/passwd`
- D. `/etc/local/accounts`

Câu 356: Which of the following files is used to store user passwords on a Linux system that has been configured to use local authentication?

-  A. `/etc/shadow`
- B. `/etc/users`
- C. `/etc/passwd`
- D. `/etc/local/accounts`

Câu 357: Consider the following entry in `/etc/passwd`:
`ksanders:x:1001:100:Kimberly Sanders:/home/ksanders:/bin/bash`
What is the primary group for this user?

- A. `ksanders`
- B. `home`

C. 1001

 D. 100

Câu 358: Consider the following entry in `/etc/shadow`:

`ksanders:$2a%05$fhZL5vsuk3ilLluispxqKuCFEPg50ZhF8KshQylZH7SDERJooEJTC:13481:30:60:7:-1::`

How often must this user change her password?

A. Every 30 days.

 B. Every 60 days.

C. Every 7 days.

D. This feature is disabled. The user isn't required to change her password.

Câu 359: You need to create a new user account on a Linux system for Mike Huffman named `mhuffman`.

Mike's password should be set to "Panguitch" and he needs a home directory created in `/home/mhuffman`. Which of the following commands will do this?

 A. `useradd -c "Mike Huffman" -m -p "Panguitch" mhuffman`

B. `usermod "Mike Huffman" -p "Panguitch" mhuffman`

C. `useradd mhuffman`

D. `useradd mhuffman -c "Mike Huffman" -m -p Panguitch`

Câu 360: A user named Diana Grow has recently married and changed her last name to Nelson. You need to change her username on her Linux system. Which command will do this?

A. `usermod -l "dgrow" -c "Diana Nelson" dnelson`

 B. `usermod -l "dnelson" -c "Diana Nelson" dgrow`

C. `useradd dnelson`

D. `usermod -c "dgrow" -l "dnelson" Diana Grow`

Câu 361: You need to delete a user account named `jcarr` from your Linux system and remove his home directory contents. Which of the following commands will do this?

A. `userdel jcarr`

B. `usermod --delete --rmhome jcarr`

 C. `userdel -r jcarr`

D. `userdel --rmhome jcarr`

Câu 362: Which file is used to store group information on a Linux system that has been configured to use local authentication?

A. `/etc/groups`

B. `/etc/local/group`

C. `/etc/groupinfo`

 D. `/etc/group`

Câu 363: Which of the following commands can be used to add the users `mhuffman`, `dnelson`, and `jcarr` to a group named `editors` on a Linux system?

A. `groupadd -A "mhuffman,dnelson,jcarr" editors`

 B. `groupmod -A "mhuffman,dnelson,jcarr" editors`

C. `groupmod editors -A "mhuffman,dnelson,jcarr"`

D. `groupmod -R "mhuffman,dnelson,jcarr" editors`

Câu 364: Which of the following commands will remove a user named `dnelson` from a group named `editors`?

- A. `groupadd -R "dnelson" editors`
- B. `groupmod -A "dnelson" editors`
- C. `groupmod editors -R "dnelson"`
-  D. `groupmod -R "dnelson" editors`

Câu 365: You need to change the owner of a file named `/var/opt/runme` from `mireland`, who is a member of the `users` group, to `dnelson`, who is a member of the `editors` group. Assuming you want to change both user and group owners, which command will do this?

- A. `chown mireland dnelson /var/opt/runme`
- B. `chown -u "dnelson" -g "editors" /var/opt/runme`
- C. `chown dnelson /var/opt/runme`
-  D. `chown dnelson.editors /var/opt/runme`

Câu 366: Which permission, when applied to a directory in the file system, will allow a user to enter the directory?

- A. Read
- B. Write
-  C. Execute
- D. Access Control

Câu 367: A user needs to open a file, edit it, and then save the changes. What permissions does he need to do this?

- A. Read, Modify
-  B. Read, Write
- C. Execute, Read
- D. Modify, Write

Câu 368: A file named `employees.odt` has a mode of `rw-r--r--`. If `mhuffman` is not the file's owner but is a member of the group that owns this file, what can he do with it?

-  A. He can open the file and view its contents, but he can't save any changes.
- B. He can open the file, make changes, and save the file.
- C. He can change ownership of the file.
- D. He can run the file if it's an executable.

Câu 369: A file named `myapp` has a mode of `755`. If `dnelson` doesn't own this file and isn't a member of the group that owns the file, what can she do with it?

- A. She can change the group that owns the file.
- B. She can open the file, make changes, and save the file.
- C. She can change ownership of the file.
-  D. She can run the file.

Câu 370: You need to change the permissions of a file named `schedule.odt` such that the file owner can edit the file, users who are members of the group that owns the file can edit it, and users who are not owners and don't belong to the owning group can view it but not modify it. Which command will do this?

-  A. `chmod 664 schedule.odt`
- B. `chmod 555 schedule.odt`
- C. `chmod 777 schedule.odt`

D. `chmod 644 schedule.odt`

Câu 371: Your Linux system's `umask` variable is currently set to a value of 077. A user named `jcarr` (who is a member of the `users` group) creates a file named `mythoughts.odt`. What can users who are members of the `users` group do with this file?

- A. They can view the file, but they can't modify or save it.
- B. They can open, modify, and save the file.
- C. They can open, modify, and save the file. They can also execute the file if it is an executable.
-  D. They have no access to the file at all.

Câu 372: An executable file has the SUID permission set. If this file is run on the system, who owns the file?

- A. The user who created the file remains the owner.
- B. The user who ran the file becomes the file's permanent owner.
-  C. The user who ran the file becomes the file's temporary owner.
- D. The root user becomes the file's owner.

Câu 373: What type of software can be managed with a graphical software utility such as `YaST`?

-  A. RPM packages
- B. Text-based script files
- C. Software compiled from downloaded source code
- D. Programs compiled from source code written by the end user

Câu 374: You've just downloaded a file named `FC-6-i386-DVD.iso` to the `/home/tux` directory on your Linux system. What command would you use to generate a checksum value?

- A. `checksum /home/tux/FC-6-i386-DVD.iso`
-  B. `sum /home/tux/FC-6-i386-DVD.iso`
- C. `verify /home/tux/FC-6-i386-DVD.iso`
- D. `rpm -V /home/tux/FC-6-i386-DVD.iso`

Câu 375: You've just downloaded a file named `FC-6-i386-DVD.iso` and have generated a checksum value. The value generated is slightly different from that shown on the download Web site. What does this imply?

- A. The downloaded copy is different than the original; but the download is still usable as long as the differences are minor.
- B. The version number is incremented by 1 when the file was downloaded.
-  C. The downloaded copy is different than the original copy and shouldn't be used.
- D. The downloaded copy is exactly the same as the original copy.

Câu 376: You've just downloaded a file named `BitTorrent-5.0.1.tar.gz` to your home directory. Assuming the current directory is `~`, what command would you enter at the shell prompt to extract all of the files from this archive?

- A. `gzip -d /BitTorrent-5.0.1.tar.gz`
- B. `tar -axvf /BitTorrent-5.0.1.tar.gz`
- C. `tar -xvf /BitTorrent-5.0.1.tar.gz`
-  D. `tar -zxvf /BitTorrent-5.0.1.tar.gz`

Câu 377: What does the `make` command do when installing an application from source code?

-  A. It compiles the source code into a binary executable.
- B. It checks the local system to verify that the necessary components are available.

- C. It copies the binary executable and other files, such as documentation, to the appropriate directories in the file system.
- D. It creates the Makefile file.

Câu 378: What does the make install command do when installing an application from source code?

- A. It compiles the source code into a binary executable.
- B. It checks the local system to verify that the necessary components are available.
-  C. It copies the binary executable and other files, such as documentation, to the appropriate directories in the file system.
- D. It creates the Makefile file.

Câu 379: Where does the RPM Package Manager store its database of installed packages?

-  A. `/var/lib/rpm`
- B. `/etc/rpm`
- C. `/var/rpmdb`
- D. `/tmp/rpm`

Câu 380: You've just downloaded an RPM package file named `evolution-2.6.0-41.i586.rpm` to your home directory. Assuming the current directory is `~`, what command could you use to check the digital signature of the downloaded file to verify that it hasn't been tampered with?

-  A. `rpm --checksig ./evolution-2.6.0-41.i586.rpm`
- B. `rpm --verify ./evolution-2.6.0-41.i586.rpm`
- C. `rpm --tamperproof ./evolution-2.6.0-41.i586.rpm`
- D. `rpm --signature ./evolution-2.6.0-41.i586.rpm`

Câu 381: You've just downloaded an RPM package file named `evolution-2.6.0-41.i586.rpm` to your home directory. Assuming the current directory is `~`, what command could you use to install the package on your system, displaying a progress indicator as the installation is completed?

- A. `rpm -i ./evolution-2.6.0-41.i586.rpm`
-  B. `rpm -ihv ./evolution-2.6.0-41.i586.rpm`
- C. `rpm --install ./evolution-2.6.0-41.i586.rpm`
- D. `rpm --install --progress ./evolution-2.6.0-41.i586.rpm`

Câu 382: You need to uninstall the Pure-FTPd service from your Linux system. You've switched to the directory where the original installation files are located. What's the first command you need to enter to uninstall this package?

-  A. `./configure`
- B. `make`
- C. `make remove`
- D. `make uninstall`

Câu 383: You've installed an RPM package file named `evolution-2.6.0-41.i586.rpm` on your Linux system. What command would you use to uninstall this package?

- A. `rpm -U evolution`
- B. `rpm -U --remove evolution`
- C. `rpm -i --remove evolution`
-  D. `rpm -e evolution`

Câu 384: You currently have an RPM package file named `evolution-2.2.0-2.i586.rpm` installed on your Linux system. You've recently downloaded the `evolution-2.6.0-41.i586.rpm` package from <http://www.sourceforge.net>. What command would you use

to install the newer version of this package?

-  A. `rpm -U evolution-2.6.0-41.i586.rpm`
- B. `rpm -i evolution-2.6.0-41.i586.rpm`
- C. `rpm -i --upgrade evolution-2.6.0-41.i586.rpm`
- D. `rpm -e evolution-2.2.0-2.i586.rpm`

Câu 385: You currently have an RPM package file named `evolution-2.6.0-41.i586.rpm` installed on your Linux system. What command would you enter to display summary information about the package?

- A. `rpm -s evolution-2.6.0-41.i586.rpm`
- B. `rpm -qs evolution-2.6.0-41.i586.rpm`
-  C. `rpm -qi evolution-2.6.0-41.i586.rpm`
- D. `rpm -V --summary evolution-2.6.0-41.i586.rpm`

Câu 386: You've used the `rpm` command with the `-q --requires` option to determine the components required by the `rpm` package. One of the required components is `/usr/bin/perl`. What command would you enter to find out which RPM package provides this component?

-  A. `rpm -q --whatprovides /usr/bin/perl`
- B. `rpm -qs --requires /usr/bin/perl`
- C. `rpm -qi --requires /usr/bin/perl`
- D. `rpm -q --provides perl`

Câu 387: Which configuration file is read when a non-login bash shell is run?

-  A. `.bashrc`
- B. `.bash_profile`
- C. `.bash_login`
- D. `.profile`

Câu 388: Which configuration file is the first file read when a login bash shell is run?

- A. `~/bashrc`
- B. `~/bash_profile`
- C. `~/bash_login`
-  D. `/etc/profile`

Câu 389: Which file contains a list of your most recently entered shell commands?

- A. `~/history`
-  B. `~/bash_history`
- C. `/etc/bash_history`
- D. `~/bash_commands`

Câu 390: Which keystroke is used for the command completion feature of bash?

- A. ENTER
- B. F1
-  C. TAB

D. UP ARROW

Câu 391: You want to configure your X Windows System to display your graphical desktop on a remote Linux system. Which environment variable would you need to modify to do this?

A. ENV

B. XWIN

 C. DISPLAY

D. DESKTOP

Câu 392: You want to add the ~/temp directory to your system's PATH environment variable. You want to be sure you don't overwrite the existing directories in your path, so you enter PATH=PATH:~/temp at your shell prompt. Did you do this correctly?

A. Yes, this command will work correctly

B. No, you must first export the variable before you set it.

C. No, you must use a \$ before each PATH variable name in the command.

 D. No, you must use a \$ before the second PATH variable name in the command

Câu 393: Which commands can you use to view the values currently assigned to your environment variables?

A. display

B. var

C. show

 D. env

Câu 394: You want to view a list of the aliases currently defined on your Linux system. What command can you issue at the shell prompt to do this?

 A. alias

B. alias -l

C. display alias

D. env alias

Câu 395: Which file descriptor refers to the text a command displays on the screen after the command has finished processing?

A. stdin

 B. stdout

C. stdscreen

D. stdoutput

Câu 396: You want to send the standard output and the standard error from the tail /var/log/firewall command to a file named lastevents in the current directory. Which command will do this?

A. /tail/var/log/firewall 1>lastevents 2>lastevents

B. /tail/var/log/firewall >lastevents

 C. /tail/var/log/firewall 1>lastevents 2>&1

D. /tail/var/log/firewall 1&2>lastevents

Câu 397: You want to send the contents of the logfile.txt file in the current directory to the sort command to sort them alphabetically and display them on the screen. Which command will do this?

 A. sort </logfile.txt

- B. `sort -i ./logfile.txt`
- C. `sort <./logfile.txt -d "screen"`
- D. `sort <./logfile.txt >screen`

Câu 398: You want to send the contents of the logfile.txt file in the current directory to the sort command to sort them alphabetically and display them on the screen. Which command will do this?

- A. `cat ./logfile.txt --sort`
- B. `cat ./logfile.txt |sort <./logfile.txt`
- C. `sort < |cat ./logfile.txt`
-  D. `cat ./logfile.txt | sort`

Câu 399: You want to display on screen the sixth, seventh, and eighth words in any line of /var/log/ messages that has the term "syslog" in it. Which of the following commands will do this?

-  A. `cat /var/log/messages |awk 'syslog' {print $6,$7,$8}'`
- B. `cat /var/log/messages |awk 'syslog' {print 6,7,8}'`
- C. `cat /var/log/messages |awk /syslog/ {print $6,$7,$8}`
- D. `cat /var/log/messages |awk 'syslog {print 6,7,8}'`

Câu 400: Which of the following elements must be included at the beginning of every shell script?

- A. `#Comment`
-  B. `#!/bin/bash`
- C. `exit 0`
- D. `#begin script`

Câu 401: You've created a shell script in your home directory named myscript. How can you execute it?

-  A. Enter `/bin/bash ~/myscript` at the shell prompt.
- B. Enter `myscript` at the shell prompt.
- C. Select Start > Run at the shell prompt, then enter `~/myscript` and select Run.
- D. Enter `run ~/myscript` at the shell prompt.

Câu 402: Which command will create a new variable named TOTAL and set its type to be "integer"?

- A. `variable -i TOTAL`
-  B. `declare -i TOTAL`
- C. `declare TOTAL -t integer`
- D. `TOTAL=integer`

Câu 403: Which of the following best describes a multitasking operating system?

- A. An operating system that can run multiple tasks concurrently on multiple CPUs
- B. An operating system that can run a single task concurrently across multiple CPUs
- C. An operating system that runs multiple tasks concurrently on a single CPU.
-  D. An operating system that constantly switches CPU time between loaded processes.

Câu 404: You just entered vi at the shell prompt. What type of process was created on your Linux system?

-  A. User

- B. System
- C. Daemon
- D. init

Câu 405: Your current shell session has a PID of 3456. You run the su command to change to the root user account. The su process has a PID of 3457. You then run vi from the shell prompt as root. The vi process has a PID of 3458. What is the PPID of the vi process?



- A. 3456
- B. 3457
- C. 3458
- D. 3459

Câu 406: Which process is the grandparent of all processes running on your Linux system?



- A. bash
- B. init
- C. sh
- D. ps

Câu 407: You're running a Fedora Linux system that uses System V init scripts. Where are these scripts stored in your file system?



- A. /etc/init.d
- B. /etc/rc.d/init.d
- C. /etc/sysvinit.d
- D. /etc/init.d/rc.d

Câu 408: You want to use ps to display extended information about only the processes associated with your current terminal session. Which command will do this?



- A. ps
- B. ps -e
- C. ps -f
- D. ps -ef

Câu 409: What is a zombied process?



- A. A process that has finished executing but whose parent process hasn't released the child process' PID.
- B. A process that has stopped executing while waiting for user input.
- C. A process that is being traced by another process.
- D. A process that has gone to sleep and can't be interrupted.

Câu 410: Which ps option can be used to display all currently running processes?



- A. -a
- B. -e
- C. -f
- D. -l

Câu 411: Which of the following shell commands will load the myapp program with a nice value of -5?

- A. `myapp -n -5`
- B. `nice -5 myapp`
- C. `renice -5 myapp`
-  D. `nice -n -5 myapp`

Câu 412: The myapp process (PID 2345) is currently running on your system. Which of the following commands will reset its nice value to -5 without unloading the process?

- A. `myapp -n -5 -p 2345`
- B. `renice -n -5 2345`
-  C. `renice -5 2345`
- D. `nice -n -5 2345`

Câu 413: You want to load the myapp program from the shell prompt and run it in the background. Which command will do this?

- A. `myapp -b`
-  B. `myapp &`
- C. `myapp -bg`
- D. load myapp into background

Câu 414: Which kill signal sends a Ctrl_C key sequence to a running process?

- A. `SIGHUP`
-  B. `SIGINT`
- C. `SIGKILL`
- D. `SIGTERM`

Câu 415: You need to kill a hung process. You know its process name, but you don't know its PID. Which utility can you use?

-  A. `killall`
- B. `kill`
- C. `hangup`
- D. `SIGKILL`

Câu 416: It's currently 1:00 in the afternoon. You want to schedule the myapp program to run automatically tomorrow afternoon at 12:00. Which of the following at commands could you use?

-  A. `at 12pm tomorrow`
- B. `at tomorrow -1 hour`
- C. `at now + 1 day`
- D. `at today +23 hours`

Câu 417: Which of the following environment variables specifies the location where user files are stored by default?

- A. `PATH`
-  B. `HOME`
- C. `SHELL`
- D. `FILES`

Câu 418: A file with permission set to octet 540 allows which of the following?

- A. Read and write permissions to root, and readonly permission to the group. No permission to others.
- B. Read and write permissions to the owner, and readonly permission to the group. No permission to others.
-  C. Read and execute permissions to the owner, and readonly permission to the group. No permission to others.
- D. Read and execute permissions to root, and readonly permission to the group. No permission to others.

Câu 419: Korin is a user on a Linux-based network. She notices that a non-root user named jonas has been accessing a file called Reports, in which she keeps proprietary company information. Korin owns the file. Which command should she enter to secure the Reports file from other users?

-  A. `chmod 700 Reports`
- B. `chmod 007 Reports`
- C. `chmod 444 Reports`
- D. `chmod 000 Reports`

Câu 420: Luis is the administrator for a Linux system. He is told that Rita needs ownership of the job file. Which command should Luis enter to grant ownership of the file to Rita?

-  A. `chown rita jobfile`
- B. `chmod rita jobfile`
- C. `chgrp jobfile rita`
- D. `cp rita jobfile`

Câu 421: How are the cat and tac commands related? select one

- A. The two commands are links to the same executable
-  B. cat displays files and tac does the same but in reverse order.
- C. cat concatenates files while tac splits a file into pieces.
- D. There is no relation or similarity between cat and tac

Câu 422: What ext2 filesystem attribute allows a process to take on the ownership of the executable files owner?

-  A. SUID
- B. nice
- C. chuser
- D. chmod

Câu 423: What is contained in directory /sbin? Select the single best answer.

- A. Libraries needed in the event of an emergency.
- B. Commands needed in the event of a system emergency of interest to all system users.
- C. Commands of interest to all system users.
-  D. Commands of interest mainly to the administrator.

Câu 424: Which one of the following commands displays the full path and name of the executable program "myprog" that the shell would execute if "myprog" were entered as a command?

- A. `apropos myprog`

- B. `find -name myprog`
- C. `find myprog`



- D. `which myprog`

Câu 425: What does the "sticky bit" do?

- A. It marks files for archive.
- B. It marks files for deletion.
- C. It prevents files from being deleted by nonowners including root.



- D. It prevents files from being deleted by nonowners except root.

Câu 426: Which one of the following commands verbosely extracts file from a tar archive on a magnetic tape device?

- A. `tar cvf /dev/ttyS0`
- B. `tar cvf /dev/st0`
- C. `tar xvf /dev/ttyS0`



- D. `tar xvf /dev/st0`

Câu 427: With a umask of 027, how is the initial mode set for a newly created file?

- A. 1640
- B. 1027



- C. 0640
- D. 0027

Câu 428: A process with PID 4077 is misbehaving on your system. As superuser, you enter the following command: `# kill 4077` However, nothing changes as a result. What can you do to terminate the process?

- A. `kill --die 4077`



- B. `kill -9 4077`
- C. `kill -1 4077`
- D. `kill +9 4077`

Câu 429: Which one of the following commands is equivalent to the following command for user jdoe whose home dirctory is `/home/jdoe`? `chmod 754 ~/file1`

- A. `chmod ugo=rwx ~/file1`



- B. `chmod u=rwx, g=rx, o=r /home/jdoe/file1`
- C. `chmod 754 /home/jdoe/file1`
- D. `chmod u=7, g=5, o=4 ~/file1`

Câu 430: Which one of the following outcomes results from the following command? `chmod g+s /home/software` (directory)



- A. The SGID bit will be set for `/home/software`, in order to keep group membership of the directory consistent for all files created
- B. The sticky bit will be applied to all files in `/home/software`
- C. The SUID bit will be set for `/home/software`
- D. The sticky bit will be set for `/home/software`

Câu 431: What does the `&` character do when placed at the end of a command? Select one

- A. It causes the process to be placed into the background



- B. It allows another command to be entered on the same line
- C. It causes the process to be stoped
- D. It causes the process to be placed into the foreground

Câu 432: Name the full path and name of the file that holds most of the information on sytem user groups.



- A. /etc/group
- B. /etc/password
- C. /etc/users
- D. /etc/passwd

Câu 433: User jdoe, a member of the finance group,owns a text file with group owner finance and mode 0077. Which statements are true regarding access to view the contents of the file, assuming the directory that contains it has mode 0777? Select all that apply.



- A. Everyone in the finance group can view the file's content exept jdoe.
- B. Everyone in the finance group can view the file's content including jdoe.
- C. jdoe can view the file's contents.



- D. jdoe can first change the protection mode of the file and then view the file's content.
- E. root cannot view the file's content.

Câu 434: Name the command that displays pages from the online user's manual and command reference.



- A. man
- B. cat
- C. whatis
- D. locate

Câu 435: You need to find all references in your system documentation to the word "copy". Which of the following will best accomplish this task?



- A. man copy
- B. which copy
- C. apropos copy
- D. locate copy

Câu 436: The user of the account Bob has retired and you need to remove the account and Bob's home directory from the system. Assuming you are root, what command would you type to do this? (include necessary switches and/or parameters.)



- A. userdel -r Bob
- B. userremove -r Bob
- C. rmuser -r Bob
- D. rm -r Bob

Câu 437: What is considered the normal exit value of a process?



- A. 0
- B. 1
- C. 3

D. 2

Câu 438: What is the result of the following command?
command > file1.out 2>&1

A. Redirects stderr to file1.out



B. Redirects the stderr to the same location as the stdout.

C. Redirects all the output to the same location as the stderr

D. Redirects stdout to the screen and stderr to file.out

Câu 439: After executing the following command line, what will be the contents of the file myout.txt?
echo \"ttcntt hui\" | cat > myout.txt

A. \ttcntt hui\



B. \"ttcntt hui\"

C. the file is empty

D. ttcntt hui cat

Câu 440: After starting vi to edit an existing text file, you press 'A' (shift +a). This will let you:

A. Insert text at the end of the current file.



B. Insert text at the end of the current sentence.

C. Insert text at the end of the file

D. Insert text after your current cursor position.

Câu 441: You are about to install a new program on an RPM based Linux system. Which of the following would be the best way to accomplish this?

A. Get the source code in a tarball and install from that source.

B. Get a source RPM and use rpm to install it.

C. Use cpio to extract the binaries from a source RPM and use rpm to install those sources.



D. Use rpm to install the program's binaries from an RPM package.

Câu 442: Which of the following is a typical rule for allocating swap space for a Linux installation?

A. Use 25% of available drive space for a swap partition.



B. Use 200% of total RAM for the size of a swap partition.

C. Use 50% of total RAM for the size of a swap partition.

D. Use 128MB on each hard disk in the system for swap.

Câu 443: You are writing text in vi. Now you want to save your changes and exit. Which sequence of inputs will accomplish this?

A. :q!

B. :w!



C. :wq!

D. zz

Câu 444: What symbol can be placed at the end of a line to indicate that the command continues on the next line?

A. /



B. \

- C. |
- D. ;

Câu 445: You want to make sure certain directories are excluded when you update your locate database file. Where would you typically store this configuration?

- A. `/etc/located.conf`
- B. `/etc/slocatedb.conf`
-  C. `/etc/updatedb.conf`
- D. `/etc/searchdb.conf`

Câu 446: Which of the following contains typical targets of a Makefile ?

- A. Prefix, exec_prefix, bindir, mandir
- B. CFLAGS, CPPFLAGS, LIBS, LDFLAGS
-  C. clean, test, install, uninstall
- D. PATHS, DESTDIR, MANPAGES, CONFIGFILES

Câu 447: The _____ command is typically used to search files for a specified string.

-  A. grep
- B. find
- C. man -k
- D. locate

Câu 448: which command can return first few lines in a file ?

-  A. head
- B. begin
- C. start
- D. bg

Câu 449: Type in the command line that will execute cmd2 regardless of exit status of cmd1. Assume these commands are on the systems PATH and the command names are cmd1 and cmd2 ?

-  A. `cmd1;cmd2`
- B. `cmd1 > cmd2`
- C. `cmd1| cmd2`
- D. `cmd1< cmd2`

Câu 450: What two commands will display the status of processes on a Linux system? Select one.

- A. ls and df
-  B. ps and top
- C. df and top
- D. ps and df

Câu 451: What will happen when rpm is launched as follows? Select one.
`rpm -Uvh file`

- A. The RPM file will be verified.
- B. An installed package may be upgraded with the version in file, with verbose output.

C. An error will occur because a major mode is not specified.



D. An installed package may be upgraded with the version in file, with verbose output and hash marks indicating progress.

Câu 452: How can you obtain a list of files contained in an .rpm file? Select one.

A. rpm -q file

B. rpm -i file



C. rpm -qlp file

D. rpm -ql file

Câu 453: Which of the following commands cannot be used to exit from vi when in command mode? Select one.

A. ZZ

B. :x

C. :q!

D. :q



E. :bye

Câu 454: Which of the following is not a major rpm mode option? Select one.

A. -U

B. -V

C. -q

D. -e



E. -v

Câu 455: You want to repeat the last command you entered. How would you do this?

A. #



B. !!

C. ##!

D. #l

Câu 456: Which of the following is not required in the /etc/passwd file when creating a user account?

A. login name

B. userid



C. password age

D. default group

Câu 457: Linux is a(n) _____ operating system, meaning the source code is freely available.



A. Open sourced

B. User licensed

C. Open binary

D. Closed source

Câu 458: What option is used with the useradd command to specify the user's user id?

-  A. -u
B. -s
C. -id
D. -ui

Câu 459: You are adding a new user. You want to create the user's home directory only if the directory does not exist. Which of the following would accomplish this?

-  A. useradd -m
B. useradd -h -y
C. useradd -h
D. useradd -u

Câu 460: What option is used with the useradd command to specify the user's login shell?

-  A. -s
B. -l
C. -sh
D. -u

Câu 461: Which of the following can be used to change a user's home directory?

-  A. usermod -d
B. usermod -h
C. usermod -c
D. usermod -u

Câu 462: You want to repeat a command that began with the letters 'ab'. How would you do this?

-  A. !ab
B. list ab
C. show ab
D. #ab

Câu 463: A directory contains the following files:

```
#ls  
ratas saran jacaw cabal cabin
```

You issue the command "ls | grep .a[^b]a.", which file will not be returned by the command?

- A. ratas
B. jacaw
 C. cabal
D. saran

Câu 464: Which of the following will cause command2 not to execute if command1 fails?

- A. command1 & command2
 B. command1 && command2
C. command1 | command2

D. `command1 || command2`

Câu 465: You need to create a symbolic link in the current user's home directory named `testking` to the file `/data/foobar`. Choose the command that will accomplish this.

A. `link .testking /data/foobar`

B. `ln /data/foobar $HOME/testking`

C. `file --link /testking /data/foobar`

 D. `ln -s /data/foobar ~/testking`

Câu 466: Which steps is not necessary to compile and install a source code program?

A. Extract source

 B. `edit makefile`

C. `make`

D. `./configure`

Câu 467: Which command cannot normally be executed by a non-root user when compiling an application?

A. `make`

B. `makefile`

 C. `make installt`

D. `./configure`

Câu 468: Select all the ways of exiting and saving a vi session.

 A. `:wq`

B. `:w`

C. `:Zq!`

D. `:ZZ`

Câu 469: You need to remove the package `testking` regardless of dependencies, type the command with switches that will do this?

 A. `rpm -e testking --nodeps`

B. `rpm -U testking --nodeps`

C. `rpm -h testking --nodeps`

D. `rpm -r testking --nodeps`

Câu 470: The process `bigtestking` is out of control, and efforts to cleanly stop it fail. You have executed a `ps` command and it displays the following info

```
PID TTY TIME CMD
3541 pts/0 10:10:10 bigtestking
3558 pts/0 00:00:00 ps
```

What command should you type to absolutely stop the runaway process?

 A. `kill -9 3541`

B. `killall 3541`

C. `killall -9 3541`

D. `pkill 3541`

Câu 471: You wish to find out the full path of the binary executable "cmd1". Type just the command that will show the first instance of the command.



- A. which cmd1
- B. locate cmd1
- C. apropos cmd1
- D. find / -name cmd1

Câu 472: What is the difference between the su command and the su - command?



- A. The su - command executes the sush (super-user shell).
- B. The su - command executes the target user's login scripts.
- C. The su - command logs every action.
- D. The su - command sends commands to a remote host.

Câu 473: To verify a new PPM package tcm350-1.2.3-4.i386.rpm, you use ____.



- A. rpm -v tcm350-1.2.3-4.i386.rpm
- B. rpm -V tcm350-1.2.3-4.i386.rpm
- C. rpm -check tcm350-1.2.3-4.i386.rpm
- D. rpm -verify tcm350-1.2.3-4.i386.rpm

Câu 474: After a user logs in to a terminal, he receives a user interface called a _____.



- A. GUID
- B. shell
- C. command screen
- D. text box

Câu 475: Linux is a _____ and _____ operating system.



- A. production, stable
- B. multiuser, multitasking
- C. large, useful
- D. processing, operating

Câu 476: Which of the following kernels are developmental kernels?



- A. 2.3.4 or 2.5.5
- B. 2.5.5 or 2.4.4
- C. 2.4.4 or 2.3.7
- D. 2.2.7 or 2.4.4

Câu 477: A production kernel refers to a kernel whose:



- A. revision number is even
- B. minor number is odd
- C. minor number is even
- D. major number is odd

Câu 478: Many types of software are available today. Which type of software does Linux represent?



- A. Open Source Software
- B. closed source software
- C. shareware
- D. freeware

Câu 479: Which of the following are characteristics of Open Source Software? (Choose all that apply.)



- A. The value of the software is directly related to its price.
- B. The software is developed collaboratively and Any bugs are fixed quickly
- C. Any bugs are fixed quickly
- D. The source code for software is available for a small fee.

Câu 480: To which license does Linux adhere?



- A. open license
- B. artistic license
- C. free source license
- D. GNU Public License

Câu 481: Which is not good reason for using Linux in a corporate environment? (Choose all that apply.)



- A. Linux software is unlikely to become abandoned by its developers.
- B. Linux is secure and has a lower total cost of ownership than other operating systems.
- C. Most Linux software is closed source
- D. Linux is widely available for many platforms and supports many programming languages.

Câu 482: Which culture embraced the term GNU (GNU's Not UNIX) and laid the free software groundwork for Linux?



- A. the hacker culture
- B. the MIT culture
- C. the Artificial Intelligence culture
- D. the cracker culture

Câu 483: Linux was developed by _____ to resemble the _____ operating system.



- A. Linus Torvalds, MINIX
- B. Linux Torvalds, GNU
- C. Richard Stallman, MINIX
- D. Richard Stallman, GNU

Câu 484: When the core components of the Linux operating system are packaged together with other Open Source Software, it is called a:



- A. new kernel
- B. new platform
- C. GNU Project
- D. Linux distribution

Câu 485: Which of the following are factors that determine which Linux distribution a user will use? (Choose all that apply.)

- A. package manager support
- B. hardware platform
-  C. all of the others
- D. kernel features

Câu 486: The vi editor can function in which two of the following modes?

- A. command and quit
-  B. command and text input
- C. command and interactive
- D. command and insert text

Câu 487: The tac command _____.

- A. is not a valid Linux command
- B. displays the contents of hidden files
-  C. displays the contents of a file in reverse order last line first and first line last
- D. displays the contents of a file in reverse order last word on the line first and first word on the line last

Câu 488: Using wildcard metacharacters, how can you indicate a character that is NOT an a or b or c or d?

- A. [^abcd]
- B. not [a-d]
- C. !a-d
-  D. [!a-d]

Câu 489: What does the mv command do? (Choose all that apply.)

- A. It makes a volume. It moves a file.
- B. It makes a directory. It makes a volume.
- C. It moves a file. It makes a directory.
-  D. It moves a directory. It moves a file

Câu 490: Which command do you use to rename files and directories?

- A. cp
-  B. mv
- C. rename
- D. rn

Câu 491: Which command is used to delete a user account?

- A. usermod -d username
- B. del username
- C. rm username
-  D. userdel username

Câu 492: Linux systems typically dedicate an entire partition to virtual memory. What is this partition called?

- A. the RAM partition
-  B. the swap partition
- C. the page partition
- D. the pagefile partition

Câu 493: ext3 introduced journaling capabilities to Linux file systems. What is an advantage of a journaling file system?

-  A. It reduces the time spent recovering a file system after a crash.
- B. It allows administrators to determine the owners of files created on the system.
- C. It enables Linux systems to interoperate with Windows systems.
- D. It keeps file clusters attached to the files to which they are allocated.

Câu 494: Which yields outputs similar to the following?

```
USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND
heyne 691 0.0 2.4 19272 9576 ? S 13:35 0:00 kdeinit: kded
heyne 700 0.1 1.0 5880 3944 ? S 13:35 0:01 artsd -F 10 -S 40
heyne 710 0.0 2.8 21876 11072 ? S 13:35 0:00 kdeinit: knotify
heyne 711 0.0 0.0 1344 352 ? S 13:35 0:00 kwrapper ksmservice
```

-  A. ps ux
- B. ps -e
- C. ps -a
- D. ps f

Câu 495: Which command will force the system to wait for 5 minutes and then display date?

-  A. sleep 5m; date
- B. sleep 5m: date
- C. sleep 5 > date
- D. sleep 5, date

Câu 496: The default kill signal used by the kill command is ____.

- A. SIGHUP
- B. SIGKILL
-  C. SIGTERM
- D. SIGQUIT

Câu 497: According to the following sample outputs, ____ is a directory.

```
[netw240u1@localhost /usr]
total 12
-rw----- 1 netw240u1 0 Oct 10 15:11 ebook
drwx----- 2 netw240u1 512 Sep 27 2001 file1
-rw----- 1 netw240u1 25 Aug 21 17:02 mydir
```

- A. ebook
-  B. file1
- C. all of the others
- D. mydir

Câu 498: Which command display the last 20 lines of a text file?

- A. tail -n:20 filename
- B. tail -l20 filename
- C. tail filename n20
-  D. tail -20 filename

Câu 499: The command "who | wc" will ____.

-  A. send the output of the who command directly to the wc command as input.
- B. send the output of the wc command directly to the input of the who command.
- C. send the input of the wc command directly to the output of the who command.
- D. send the input of the who command directly to the output of the wc command

Câu 500: The command ./fruit > file1.txt does which of the following:

-  A. Executes the fruit script file and redirects standard output to file1.txt.
- B. Executes the fruit script and redirects standard input to file1.txt.
- C. Executes the fruit script and redirects both standard input and output to file1.txt.
- D. Executes the fruit script and redirects only the standard errors to file1.txt.

Câu 501: You have installed a new application but when you type in the command to start it you get the error message:
Command not found

What do you need to do to fix this problem?

-  A. Add the directory containing the application to your path.
- B. Specify the directory's name whenever you run the application.
- C. Give everyone read, write and execute permissions to the application's directory.
- D. Verify that the execute permission has been applied to the command.

Câu 502: User jdoe, a member of the finance group, owns a text file with group owner finance and mode 0077. Which statements are true regarding access to view the contents of the file, assuming the directory that contains it has mode 0777? Select all that apply.

-  A. Everyone in the finance group can view the file's content except jdoe.
- B. Everyone in the finance group can view the file's content including jdoe.
- C. jdoe can view the file's contents.
-  D. jdoe can first change the protection mode of the file and then view the file's content.
- E. root cannot view the file's content.

Câu 503: You run the following commands:

```
[user@prompt]$ nice -n 1 program1  
[user@prompt]$ nice -n 5 program2  
[user@prompt]$ nice -n 10 program3
```

Which of the program started will have the highest priority?

-  A. program1
- B. program2
- C. all commands are the same priority
- D. program3

Câu 504: Which of the commands will show you only the middle 10 lines of a 30 line text file named textfile?

- A. head -n 11-20 textfile
-  B. head -n 20 textfile | tail
- C. cat textfile | pr -n 11-20
- D. tail -n 11-20

Câu 505: Which command will display in reverse order a file that is numbered from 1 to End of File?

- A. cat file | nl | pr
-  B. cat file | nl | tac
- C. cat file | pr -n | reverse
- D. cat file | tac | nl

Câu 506: What is the purpose of setting the SUID?

-  A. Allows any user to run a executable program with the permissions of the owner of the program
- B. Allows any user to run a program with the permissions of the group of the program
- C. To keep programs that are needed constantly in non-swappable RAM
- D. Everyone can edit the files that are created but only root and owner can delete them.

Câu 507: How can you set the SGID on a file called testkingexaminator?

- A. chmod u+s testkingexaminator
-  B. chmod g+s testkingexaminator
- C. chmod u+t testkingexaminator
- D. chmod o+s testkingexaminator

Câu 508: You have backgrounded a job called bigtestking. When you type jobs and the command line it comes back with the following info.

```
jobs
[1] Running job1
[2] - Running bigtestking
[3]+ Stopped job5
```

Type the command any switch(es) that would bring bigtestking to the foreground.

-  A. fg %2
- B. fg 2
- C. fg bigtestking
- D. fg [2]

Câu 509: You wish to copy the full contents of the /home/tess directory and all subdirectories to the /home/king directory. Type in the simplest command to do this.

-  A. cp -R /home/tess/* /home/king
- B. cp /home/tess/* /home/king
- C. cp -R /home/tess ~/king
- D. cp -R /home/tess/* ~/king

Câu 510: What function will be performed by the command rpm -vih foo.rpm?

- A. Verification of the files in foo.rpm

- B. Recalculation of the MD5 hash value for foo.rpm
- C. Verification of the signature for foo.rpm
-  D. Installation of the package foo.rpm

Câu 511: If you want a scheduled job to run every six minutes from Monday through Friday, which one of the following crontab entries accomplishes your goal?

- A. * * * * * /6 @weekday command
-  B. */6 * * * 1-5 command
- C. @minute*6 * * @daily*5 command
- D. * */6 * * 2-6 command

Câu 512: In which one of the following directories are crontabs placed?

- A. /etc/cron.daily
- B. /etc/cron.deny
- C. /etc/cron.monthly
-  D. /etc/cron.d

Câu 513: \$ ls a/

ls: a/: Too many levels of symbolic links

What does the error message above indicate?

- A. The filesystem is out of symbolic links.
-  B. The symbolic links form a loop.
- C. This filesystem does not support symbolic links.
- D. The current working directory contains too many symbolic links.

Câu 514: \$ usermod -a -G backup operator

What does the above command do?

- A. It sets the backup user's secondary groups to the operator group only.
- B. It sets the operator user's primary group to backup.
- C. It adds the operator group to the backup user's secondary groups.
- D. It sets the operator user's secondary groups to the backup group only.
-  E. It adds the backup group to the operator user's secondary groups.

Câu 515: jdoe:x:321:102:J Doe, Accounting:/home/jdoe:/sbin/ksh

The line above was extracted from a password file. What is the description of the third field in the line above?

-  A. User ID
- B. Home directory
- C. Group ID
- D. User login

Câu 516: USER PID %CPU %MEM SIZE RSS TTY STAT START TIME

jane 279 0.0 3.0 1464 928 2 S 09:08 0:00

jane 1394 0.0 2.5 1176 772 2 S 14:19 0:00

jane 1405 0.0 2.1 1100 668 2 T 14:19 0:00

jane 1454 91.1 2.6 1600 812 2 S 14:29 0:00

-> output continued

COMMAND

/bin/login -- jane

-bash

vi my.txt

perl /looper

As shown in the above 'ps' output, Jane's program "looper" has gone into an infinite loop. Which of the listed commands allows her to take care of this problem?

- A. killall -jane
- B. kill 1405
- C. kill -HUP looper
-  D. kill -9 1454

Câu 517: #who

root pts/2 Aug 19 18:46 (191.230.32.99)

root pts/7 Aug 19 13:03 (191.190.35.3)

root pts/8 Jul 1 08:42 (191.230.32.99)

What action should the system administrator take to correct the problem demonstrated in the 'who' results shown in the sample code above?

- A. Issue the command 'rm -rf /dev/pts/7'.
- B. Issue the command 'logoff pts/7', because there are far too many root logins.
- C. Check the hosts file for multiple and erroneous host assignments.
- D. A system break-in is underway. Start logging all system activity.
-  E. Find and kill the pid of the last entry's process

Câu 518: How do you permit all users to create cron jobs?

-  A. Create an empty /etc/cron.deny file.
- B. Add "allusers" to CRONDARGS in /etc/sysconfig/crond.
- C. Add "account required pam_stack.so service=system-auth" to /etc/pam.d/crond.
- D. Run "chmod 755 /usr/bin/crontab" as root.

Câu 519: \$ ls -l /usr/tmp

lrwxrwxrwx 1 root root 10 Mar 27 15:18 /usr/tmp -> ./var/tmp

Question: What is /usr/tmp?

-  A. A symbolic link
- B. A temporary link
- C. A directory
- D. A hard link

Câu 520: Listing:

~/directory \$ ls -lia

total 4

53422 drwxr-xr-x 2 user1 users 1024 Jun 3 13:20 .

87214 drwxr-xr-x 14 user1 users 2048 Jun 11 13:18 ..

53431 -rw-rw-rw- 2 user1 users 15 Jun 11 13:17 File1

53431 -rw-rw-rw- 2 user1 users 15 Jun 11 13:17 File2

Based on the directory listing above, which one of the following statements is true?

- A. File1 and File2 are currently opened by the same process.
- B. The filesystem is corrupt.
-  C. File1 and File2 are hard linked files.
- D. File1 and File2 are approximately 52 KB in size.

Câu 521: Which command can yield outputs that are similar to the following sample?

```
tcm43:x:958:100:TCM Students:/home/tcm43:/bin/bash
tcm44:x:959:100:TCM Students:/home/tcm44:/bin/bash
tcm45:x:960:100:TCM Students:/home/tcm45:/bin/bash
tcm46:x:961:100:TCM Students:/home/tcm46:/bin/bash
tcm47:x:962:100:TCM Students:/home/tcm47:/bin/bash
```

A. `cat /etc/shadow`



B. `cat /etc/passwd`

C. `cat /etc/groupusr`

D. `cat /etc/group`

Câu 522: Which of the following is an absolute pathname? (Choose all that apply.)

A. `Home/resume`

B. `C:\myfolder\resume`



C. `/home/resume`

D. `resume`

Câu 523: If a user's current directory is `/home/mary/project1`, which command could she use to move to the `etc` directory directly under the root?

A. `cd ..`

B. `cd /home/mary/etc`



C. `cd /etc`

D. `cd etc`

Câu 524: After typing the `ls -a` command, you notice that there is a file whose filename begins with a dot (`.`). What does this mean?

A. It is a binary file.

B. It is a system file.



C. It is a hidden file

D. It is a file in the current directory.

Câu 525: What will the following wildcard regular expression return: `file[a-c]`?

A. `filea-c`

B. `filea, filec`

C. `fileabc`



D. `filea, fileb, filec`

Câu 526: What will typing `q!` at the `:` prompt in command mode do when using the `vi` editor?

A. quit as no changes were made

B. quit after saving any changes



C. quit without saving any changes

D. nothing as the `!` is a metacharacter

Câu 527: The command `chmod 317 file1` would produce which of the following lines in the `ls` command?

A. `--w-r--rwx 1 user1 root 0 Apr 29 15:40 file1`



B. `--wx--xrw 1 user1 root 0 Apr 29 15:40 file1`

- C. --w-rw-r-e 1 user1 root 0 Apr 29 15:40 file1
- D. -rwxrw-r-x 1 user1 root 0 Apr 29 15:40 file1

Câu 528: Which of the following commands will change the user ownership and group ownership of file1 to user1 and root respectively?



- A. chown user1:root file1
- B. chown user1 : root file1
- C. chown root:user1file1
- D. This cannot be done because user and group ownership properties of a file must be modified separately.

Câu 529: The which command _____?



- A. can only be used to search for executables
- B. searches for a file in all directories starting from the root
- C. searches for a file only in directories that are in the PATH variable
- D. is not a valid Linux command

Câu 530: Given the following output from the ls command, how many files are linked with file1?

[BEGIN CODE]

```
drwxr-xr-x 3 root root 4096 Apr 8 07:12 Desktop
-rw-r--r-- 3 root root 282 Apr 29 22:06 file1
-rw-r--r-- 1 root root 282 Apr 29 22:06 file2
-rw-r--r-- 4 root root 282 Apr 29 22:06 file3
-rw-r--r-- 2 root root 282 Apr 29 22:06 file4
-rw-r--r-- 1 root root 282 Apr 29 22:06 file5
-rw-r--r-- 1 user1 sys 282 Apr 29 22:06 file6
```

[END CODE]



- A. one
- B. two
- C. four
- D. three

Câu 531: What would be the effect of using the alias command to make an alias for the date command named cat in honor of your favorite pet?



- A. It cannot be done as there already is an environment variable cat associated with the cat command.
- B. It cannot be done as there already is a command cat on the system.
- C. There is no effect until the alias is imported as it is a user-declared variable
- D. When you use the cat command at the command prompt with the intention of viewing a text file, the date appears instead

Câu 532: How do you indicate a comment line in a shell script?



- A. There are no comment lines in a shell script.
- B. Begin the line with #!.
- C. Begin the line with #.
- D. Begin the line with !.

Câu 533: What is wrong with the following command string `ls /etc/hosts >listofhostfile`?



- A. Nothing is wrong with the command.
- B. The file descriptor was not declared; unless 1 for Standard Output or 2 for Standard Error is indicated, the command will

fail.

- C. The file listofhostfile will always only contain Standard Error as a file descriptor was not declared.
- D. The ls command is one of the commands that cannot be used with redirection; you must use | to pipe instead

Câu 534: Where are individual user tasks scheduled to run with the cron daemon stored?

- A. /etc/crontab
- B. /etc/cron/(the user's login name)
-  C. /var/spool/cron/(the user's login name)
- D. /var/spool/cron

Câu 535: What command is used to view and modify user jobs scheduled to run with cron?

-  A. crontab
- B. cron
- C. sched
- D. ps

Câu 536: Every process has a process ID and a_____.

- A. fork process
- B. daemon
-  C. parent process ID
- D. child process

Câu 537: Nice values are used to affect process priorities using a range between _____.

- A. 0 and 20
- B. 0 and -19
-  C. -20 and 19
- D. -19 and 20

Câu 538: When you run the ps command, how are daemon processes recognized?

- A. The terminal is listed as tty0.
-  B. There is a question mark in the TTY column.
- C. There is a "d" for daemon in the terminal identification column.
- D. There is an asterisk in the STIME column.

Câu 539: You just created a new file called fruits.txt, which can change the file permission settings to the following?

-rwx-w---x

-  A. chmod 721 fruits.txt
- B. chmod 752 fruits.txt
- C. chmod 753 fruits.txt
- D. chmod 764 fruits.txt

Câu 540: The command "chmod u+rwx fruits.txt" can ____.

- A. undo the change of rights to the fruits.txt file.

- B. add read, write and execute rights to the User group.
- C. use the default rights.
-  D. add read, write and execute rights to the file owner(s).

Câu 541: The command "chmod 764 devry.conf" will ____.

-  A. assign read-only permissions to "Others".
- B. assign full rights to "Group".
- C. assign read, write and execute rights to "Groups".
- D. assign read and write rights to "Owners"

Câu 542: Which can generate outputs similar to the following? u=rwx,g=rx,o=rx

- A. uname
- B. uname -r
-  C. umask -S
- D. umask

Câu 543: Which is the results of "chmod u=rwx,g=rw,o=x fruits.txt"?

-  A. -rwxrw---x
- B. ---xrw-rwx
- C. -rwx--xrw-
- D. ---xrwxrw-

Câu 544: The command "chown -R devry:keller /tmp/src" will ____.

- A. Remove the directory /tmp/src from devry's home directory and copy it to keller's home directory.
- B. change the owner and group of all files in the directory /tmp/src to owner keller and group devry.
- C. Remove the directory /tmp/src from keller's home directory and copy it to devry's home directory.
-  D. change the owner and group of all files in the directory /tmp/src to owner devry and group keller.

Câu 545: The command "chmod a-r apple.doc" will ____.

- A. add the read right from Owner, Group, and Others group.
-  B. remove read right from Owner, Group, and Others group.
- C. add read right from administrator.
- D. remove read right from administrator.

Câu 546: Which command set the following file access permissions to the apple.txt file? -rwx-r-xr-x

- A. chmod 644 apple.txt
-  B. chmod 755 apple.txt
- C. chmod 022 appl
- D. chmod 433 apple.txt

Câu 547: Which will ALWAYS set the following file permissions to apple.txt? -r-xr-xr-x

-  A. chmod a=rx apple.txt

- B. `chmod ugo-w apple.txt`
- C. `chmod u-w,g-w,o-w appl`
- D. `chmod 222 apple.txt`

Câu 548: When using `chmod` to assign file permissions, which statement is correct?

- A. 002 is "write by group"
-  B. 200 is "write by owner"
- C. 001 is "execute by owner"
- D. 020 is "write by anybody"

Câu 549: What access permission do users in "groups" have to `public_html`?

`-rwxr-xrw- 1 tcm350u1 25 Aug 21 17:02 public_html`

-  A. read and execute
- B. read and write
- C. write and execute
- D. full

Câu 550: Which can set the file permissions as illustrated below?

`-rwxr-xrw- 1 tcm350u1 25 Aug 21 17:02 public_html`

-  A. `chmod 756 public_html`
- B. `chmod 643 public_html`
- C. `chmod 743 public_html`
- D. `chmod 745 public_html`

Câu 551: The command "`chmod a+rwx file.txt`" ____.

- A. assigns full rights to the owner.
- B. assigns full rights to administrators only.
- C. assigns full rights to associative users only.
-  D. assigns full rights to every user.

Câu 552: Given the following sample contents of the `/etc/passwd` file, which statement is correct?

`jsmith*:100:100:8A-74(office):/home/jsmith:/usr/bin/sh`

- A. the numerical user ID is 100
- B. the numerical group ID is 100
-  C. All of the other
- D. this account is assigned a password

Câu 553: Given the following, which statement is correct?

`jlo:x:537:100:Jennifer Lopez:/home/jlo:/bin/bash`

- A. "x" indicates that this jlo account does not require password.
- B. this jlo account is default to BIN shell.
-  C. this jlo account has a numerical user ID 537.

D. this jlo account has a numerical user ID 100.

Câu 554: Which command can yield outputs that are similar to the following sample?

```
tcm43:x:958:100:TCM Students:/home/tcm43:/bin/bash  
tcm44:x:959:100:TCM Students:/home/tcm44:/bin/bash  
tcm45:x:960:100:TCM Students:/home/tcm45:/bin/bash  
tcm46:x:961:100:TCM Students:/home/tcm46:/bin/bash  
tcm47:x:962:100:TCM Students:/home/tcm47:/bin/bash
```

A. cat /etc/shadow



B. cat /etc/passwd

C. cat /etc/groupusr

D. cat /etc/group