

Ceasar

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1
2 import java.io.BufferedReader;
3 import java.io.BufferedWriter;
4 import java.io.FileReader;
5 import java.io.FileWriter;
6 import java.io.IOException;
7 import java.util.logging.Level;
8 import java.util.logging.Logger;
9 import javax.swing.JOptionPane;

167
168 private void ENActionPerformed(java.awt.event.ActionEvent evt) {
169     // TODO add your handling code here:
170     String txtBanro = txtvanban.getText();
171     String txtkey = txtkhoa.getText();
172     String txtkqua = "";
173     int intkey = Integer.parseInt(txtkey);
174     if(intkey < 0){
175         intkey = 26 - (-intkey % 26);
176     }
177     for(int i=0; i<txtBanro.length(); i++){
178         char chrKitu = mahoat(txtBanro.charAt(i), intkey);
179         txtkqua = txtkqua + chrKitu;
180     }
181     txtmahoa.setText(txtkqua);
182 }
183
184
185 private void DEActionPerformed(java.awt.event.ActionEvent evt) {
186     // TODO add your handling code here:
187     String txtBamma = txtmahoa.getText();
188     String txtkey = txtkhoa.getText();
189     String txtkqua = "";
190     int intkey = Integer.parseInt(txtkey);
191     if(intkey < 0){
192         intkey = (26 - (-intkey % 26));
193     }
194     for (int i=0; i < txtBamma.length(); i++){
195         char chrkitu = giamat(txtBamma.charAt(i), intkey);
196         txtkqua = txtkqua + chrkitu;
197     }
198     txtvanban.setText(txtkqua);
199 }
200
201 private void GFActionPerformed(java.awt.event.ActionEvent evt) {
202     // TODO add your handling code here:
203     try {
204         String txtLuu = txtmahoa.getText();//TCT: văn bản ciphertext

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205     System.out.println(txtLuu);
206     BufferedWriter bw = null;
207     String txtDuongdan = "E:\\Usb\\vd\\text.txt";
208     bw = new BufferedWriter(new FileWriter(txtDuongdan));
209     bw.write(txtLuu);
210     bw.close();
211     JOptionPane.showMessageDialog(null, "Ghi File thanh cong");
212 } catch (IOException ex) {
213     Logger.getLogger(ceasar.class.getName()).log(Level.SEVERE, null, ex);
214 }
215 }
216
217 private void MFActionPerformed(java.awt.event.ActionEvent evt) {
218     // TODO add your handling code here:
219     try {
220         String txtDuongdan = "E:\\Usb\\vd\\text.txt";
221         BufferedReader br = null;
222         br = new BufferedReader(new FileReader(txtDuongdan));
223         StringBuilder sb = new StringBuilder();
224         JOptionPane.showMessageDialog(null, "Mo File thanh cong");
225         char[] ca = new char[5];
226         while (br.ready()) {
227             int len = br.read(ca);
228             sb.append(ca, 0, len);
229         }
230         br.close();
231         String chuoi = sb.toString();
232         System.out.println(chuoi);
233         txtmahoa.setText(chuoi); //TCT: văn bản ciphertext
234     } catch (IOException ex) {
235         Logger.getLogger(ceasar.class.getName()).log(Level.SEVERE, null, ex);
236     }
237 }
238 private char mahoa(char ch, int key) {
239     if (Character.isLetter(ch)) {
240         ch = (char) ('A' + (Character.toUpperCase(ch) - 'A' + key) % 26);
241     }
242     return ch;
243 }
244 private char giaina(char ch, int key) {
245     if (Character.isLetter(ch)) {
246         ch = (char) ('a' + (Character.toLowerCase(ch) - 'a' - key + 26) % 26);
247     }
248     return ch;
249 }
```