

E:\stage 3\Security\Midterm\keyword\src\keyword\Keyword.java

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1 /**
2  * @author Rezhwan Sidiq
3  * 21/Nov/2017
4  * MidtermExam Study (-_-
5  * 22:10
6  */
7 package keyword;
8 import java.util.Arrays;
9 import java.util.Scanner;
10 public class Keyword {
11
12 char[] alpha = {'a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j', 'k', 'l', 'm',
13 'n', 'o', 'p', 'q', 'r', 's', 't', 'u', 'v', 'w', 'x', 'y', 'z'};
14 char[] keyalpha = new char[alpha.length];
15 static Scanner sob= new Scanner(System.in);
16
17 public void word(String keyword){
18 char[] keychar=keyword.toCharArray();
19 int count=0;
20
21 for (int i = 0; i < keychar.length; i++) {
22     keyalpha[count++]=keychar[i];
23 }
24 for (int i = 0; i < alpha.length; i++) {
25     boolean x=false;
26     for (int j = 0; j < keychar.length; j++) {
27         if (alpha[i] == keyalpha[j]) {
28             x=true;
29         }
30     }
31     if (x == false) {
32         keyalpha[count++]=alpha[i];
33     }
34 }
35 System.out.println(Arrays.toString(alpha));
36 System.out.println(Arrays.toString(keyalpha));
37 }
38
39 public void enc(String Plain){
40 char[] charPlain=Plain.toCharArray();
41 for (int i = 0; i < charPlain.length; i++) {
42     for (int j = 0; j < alpha.length; j++) {
43         if (charPlain[i] == alpha[j]) {
44             System.out.print(keyalpha[j]);
45         }
46     }
47 }
48 System.out.println("");
49 }
50
51 public void dec(String cipher){
52 char[] charcipher=cipher.toCharArray();
53 for (int i = 0; i < charcipher.length; i++) {
54     for (int j = 0; j < alpha.length; j++) {
55         if (charcipher[i] == keyalpha[j]) {
56             System.out.print(alpha[j]);
57         }
58     }
59 }
60 }
```

```
56
57     }
58 }
59 }System.out.println("");
60
61 }
62
63 public static void main(String[] args) {
64     Keyword cob = new Keyword();
65     cob.word("rezhwan");
66     cob.enc("hello");
67     cob.dec("bwggk");
68
69 }
70 }
71 /*Output
72 [a, b, c, d, e, f, g, h, i, j, k, l, m, n, o, p, q, r, s, t, u, v, w, x, y, z]
73 [r, e, z, h, w, a, n, b, c, d, f, g, i, j, k, l, m, o, p, q, s, t, u, v, x, y]
74 bwggk
75 hello
76 */
```