E:\stage 3\Security\Midterm\Caesar\src\caesar\Caesar.java

```
1 /**
2  * @author Rezhwan Sidiq
3  * 21/Nov/2017
4  * MidtermExam Study (-_-
5  * 20:18
6  */
7 package caesar;
8    public class Caesar {
9
10    char alpha[]={'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'};
11
12    public void enc(String s,int key){
13
14      String  ss=s.toUpperCase();
15      char [] message =ss.toCharArray();
16      char [] result =new char[message.length];
17      int count ;
18
19      for (int i = 0; i < message.length; i++) {
20           for (int j = 0; j < alpha.length; j++) {
21              if (message[i] == alpha[j]) {
22                  count=(j+key)%26;
23                  result[i]=alpha[count];
24              }
25           }
26       }
27       String Sresult = new String (result);
28       System.out.println("Final Result of encryption = "+Sresult);
29    }
30
31    public void dec(String s,int key){
32
33    String  ss=s.toUpperCase();
34    char [] message =ss.toCharArray();
35    char [] result =new char[message.length];
36    int count ;
37
38    for (int i = 0; i < message.length; i++) {
39       for (int j = 0; j < alpha.length; j++) {
40          if (message[i] == alpha[j]) {
41                count=j-key;
42                if (count < 0) {
43                count=count+26;
44                 result[i]=alpha[count];
45              } else result[i]=alpha[count];
46           }
47       }
48    }
49       String Sresult = new String (result);
50       System.out.println("Final Result of Decryption = "+Sresult);
51    }
52
53    public static void main(String[] args) {
54       Caesar cob = new Caesar();
55       cob.enc("Rezhwan",5);
```

```
56         cob.dec("WJEMBFS",5);
57     }
58 }
59 /*  OutPut
60 Final Result of encryption = WJEMBFS
61 Final Result of Decryption = REZHWAN
62 */
63
```