

```
1  import java.util.Scanner;
2
3  public class CharsTirgol {
4      public static Scanner input = new Scanner(System.in);
5
6      public static void targil1(char[] arr)
7      {
8          System.out.print("unencrypted text: \" ");
9          for (int i = 0; i < arr.length; i++)
10             System.out.print(arr[i]);
11
12         System.out.print("\n encrypted text: \"");
13         for (int i = 0; i < arr.length; i++)
14             System.out.print(Chars.nextLetter(arr[i]));
15
16         System.out.println("\n");
17     }
18
19     public static void targil2(char[] arr, int num)
20     {
21
22         System.out.print("unencrypted text: \" ");
23         for (int i = 0; i < arr.length; i++)
24             System.out.print(arr[i]);
25
26         System.out.print("\n encrypted text: \"");
27         for (int i = 0; i < arr.length; i++)
28         {
29             char temp = arr[i];
30             for (int j = 0; j < num; j++) {
31                 temp = Chars.nextLetter(temp);
32             }
33             System.out.print(temp);
34         }
35
36         System.out.println("\n");
37     }
38
39     public static void tagril3(char[] arr)
40     {
41         for (int i = 0; i < arr.length; i++)
42         {
43             if(Chars.isUpper(arr[i]))
44                 System.out.print(Chars.toLower(arr[i]));
45             else if(Chars.isLower(arr[i]))
46                 System.out.print(Chars.toUpper(arr[i]));
47             else if(Chars.isNumber(arr[i]))
48                 for (int j = 0; j < Chars.charToNum(arr[i]); j++)
49                     System.out.print(arr[i]);
```

```

50
51     else System.out.print(arr[i]);
52 }
53 }
54
55
56 public static void main(String[] args) {
57
58     char[] arr = new char[5];
59
60     input.useDelimiter("");
61     System.out.print("enter " + arr.length + " letters --> ");
62     for (int i = 0; i < arr.length; i++)
63         arr[i] = input.next().charAt(0);
64
65     targil1(arr);
66
67     input.reset(); // without this line the input crashes (removes the delimiter to
avoid bugs)
68     System.out.print("enter the encryption number -->: ");
69     int num = input.nextInt();
70     targil2(arr, num);
71
72     tagril3(arr);
73
74
75 }
76 }
77 /*
78 enter 5 letters --> Ab C3
79 unencrypted text: " Ab C3" encrypted text: "Bc!D4"
80
81 enter the encryption number -->: 8
82 unencrypted text: " Ab C3" encrypted text: "Ij(K;"
83
84 aB c333
85 * */
86

```