

E:\stage 3\Security\Midterm\Polybus\src\polybus\Polybus.java

```
1 /*
2 -Rezhwan Sidiq Mahmod
3 -21/Nov/2017
4 -MidtermExam Studys (-_-
5 -19:10
6 */
7 package polybus;
8 import java.util.Scanner;
9 public class Polybus {
10
11 char alpha[][] =
12 {
13     {'A', 'B', 'C', 'D', 'E'},
14     {'F', 'G', 'H', 'I', 'K'},
15     {'L', 'M', 'N', 'O', 'P'},
16     {'Q', 'R', 'S', 'T', 'U'},
17     {'V', 'W', 'X', 'Y', 'Z'},
18 };
19
20 public void enc(){
21     System.out.println("Enter Text ");
22     Scanner sob = new Scanner(System.in);
23     String s = sob.nextLine();
24     s.toUpperCase();
25     for (int i = 0; i < s.length(); i++) {
26         for (int j = 0; j < 5; j++) {
27             for (int k = 0; k < 5; k++) {
28                 if (s.charAt(i) == alpha[j][k]) {
29                     System.out.print(j+1);
30                     System.out.print(k+1);
31                     System.out.print(" ");
32                 }
33             }
34         }
35     }
36     System.out.println("");
37 }
38
39 public void dec(){
40     System.out.println("Enter Number ");
41     Scanner in = new Scanner(System.in);
42     String s= in.nextLine();
43     char [] str =s.toCharArray();
44     for (int i = 0; i < s.length(); i=i+2) {
45         int row = Integer.parseInt(String.valueOf(str[i]));
46         int col = Integer.parseInt(String.valueOf(str[i+1]));
47         System.out.print(alpha[row-1][col-1]+" ");
48     }System.out.println("");
49 }
50
51 public static void main(String[] args) {
52     Polybus cob = new Polybus();
53     cob.enc();
54     cob.dec();
55 }
```

56 }

57