

LAB ASSIGNMENT CYBER SECURITY(ENCRYPTION)
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SECTION B

```
package mypackage;
import java.util.*;
public class secondPart {
    public static void main(String args[]) {
        Scanner sc= new Scanner(System.in);
        System.out.println("Hello");
        System.out.println("Enter the values of a,b,c,d,e:");
        int a = sc.nextInt();
        int b = sc.nextInt();
        int c = sc.nextInt();
        int d = sc.nextInt();
        int e = sc.nextInt();

        //Random r = new Random();
        String ar1[][] = new String[3][5];
        //String sar[] = new String[16];
        String cc = "" ;
        int i,j;
        System.out.println("Enter the element one by one:");
        for(i=0;i<=2;i++){
            for(j=0;j<=4;j++){
                ar1[i][j] = sc.next();
            }
            System.out.println();
        }

        for(i=0;i<=2;i++){
            for(j=0;j<=4;j++){
                System.out.print(ar1[i][j]);
            }
            System.out.println();
        }

        for(i=0;i<=2;i++){
            //a =

            for(j=0;j<=4;j++){
                if(j==0){
                    ar1[i][j] = ar1[i][a];
                    cc = ar1[i][j];}
                j=1;
                if(j==1){
                    ar1[i][j] = ar1[i][b];
                    cc = ar1[i][j];}
                j=2;
                if(j==2){
                    ar1[i][j] = ar1[i][c];
                    cc = ar1[i][j];}
                j=3;
                if(j==3){
                    ar1[i][j] = ar1[i][d];
                    cc = ar1[i][j];}
                j=4;
                if(j==4){
```

```
ar1[i][j] = ar1[i][e];
cc = ar1[i][j];}
}
}
System.out.println("The suffled array is");
for(i=0;i<=2;i++){
for(j=0;j<=4;j++){
System.out.print(ar1[i][j]);
}
System.out.println();
}
String dd= " ";
System.out.print("The encrypted code is:");
for(i=0;i<5;i++){
for(j=0;j<3;j++){
dd = dd+ar1[j][i];
//System.out.print(ar1[j][i]);
}
}
System.out.print(dd+" ");
```

```
}
}
```

OUTPUT

```
vate/var/folders/bc/0kw3_95j3r1781lbkdbqys800000gn/1/vscodesws_/aa24/jdt_ws/jdt.ls-java-project/
Hello
Enter the values of a,b,c,d,e:
1
3
4
2
0
Enter the element one by one:
t
r
a
n
s

p
o
s
i
t

i
o
n
x
x

trans
posit
ionxx
The suffled array is
rnssr
oitto
oxxxo
The encrypted code is: roonixstxstxroo
Rahuls-Air:~ rahulshahi$
```