

## 1st Question :

```
UserInput.java  Saved
```

```
1 import java.util.Scanner;
2 import java.util.InputMismatchException;
3 class Earthquake
4 {
5     public float measurement;
6     void description(float measure) throws Exception
7     {
8         this.measurement=measure;
9         if(measurement>=0 && measurement<2)
10        {
11            System.out.println("Micro earthquake, no damage");
12        }
13        else if(measurement>=2 && measurement<3)
14        {
15            System.out.println("Generally not felt, no damage");
16        }
17        else if(measurement>=3 && measurement<4)
18        {
19            System.out.println("Noticeable shaking can be felt");
20        }
21        else if(measurement>=4 && measurement<5)
22        {
23            System.out.println("Walls crack");
24        }
25        else if(measurement>=5 && measurement<6)
26        {
27            System.out.println("Furnitures move");
28        }
29        else if(measurement>=6 && measurement<7)
30        {
31            System.out.println("Some buildings collapse");
32        }
33        else if(measurement>=7 && measurement<8)
34        {
35            System.out.println("Many buildings collapse");
36        }
37        else if(measurement>=8 && measurement<=12)
38        {
39            System.out.println("Total destruction of buildings");
40        }
41        else if(measurement>12)
42        {
43            throw new Exception("Application crashed");
44        }
45    }
46 }
```

Make public 



```
UserInput.java
```

Saved

```
39     System.out.println("TOTAL DESTRUCTION OF");
40 }
41 else if(measurement>12)
42 {
43     throw new Exception("APPLICATION CRASHED");
44 }
45 else
46 {
47     throw new Exception("YOU CANNOT ENTER NEGATIVE NUMBER");
48 }
49 }
50 }
51 class UserInput
52 {
53     public static void main(String args[])
54     {
55         System.out.println("HOST NAME : M.Likhith");
56         Earthquake e=new Earthquake();
57         Scanner sc=new Scanner(System.in);
58         System.out.println("ENTER THE MEASUREMENT");
59         try
60         {
61             int measure=sc.nextInt();
62             try
63             {
64                 e.setDescription(measure);
65             }
66             catch(Exception ex)
67             {
68                 System.out.println(ex.getMessage());
69             }
70         }
71         catch(InputMismatchException i)
72         {
73             System.out.println("YOU CANNOT ENTER OTHER THAN INTEGER");
74         }
75     }
76 }
```

Make public 





Edit with WPS Office

Out put Screen :

```
x      Terminal

Host name : M.Likhitha
Sap id : 51834624
Enter the measurement :
16
Application crashed

Process finished.
```



Edit with WPS Office

2nd Question :

```
← Rotation.java 🔒 → ⋮
Saved

1 import java.util.Scanner;
2 class Main
3 {
4     public static boolean isRotation(String s1, s
5     {
6         String s=s1+s1;
7         if(s.contains(s2))
8         {
9             return true;
10        }
11        else
12        {
13            return false;
14        }
15    }
16    public static void main (String[] args) {
17        Scanner sc=new Scanner(System.in);
18        System.out.println("Host name : M.Likhith");
19        System.out.print("\nEnter first String: ");
20        String s1=sc.nextLine();
21        System.out.print("Enter second String: ");
22        String s2=sc.nextLine();
23        System.out.println(s1+" and "+s2+" are ro
24            " True or False?\n"+isRotation(s1,s2
25
26    }
27 }
```

⋮ Make public 





Edit with WPS Office

Output Screen :

```
x Terminal

Host name : M.Likhitha
Sap id : 51834624

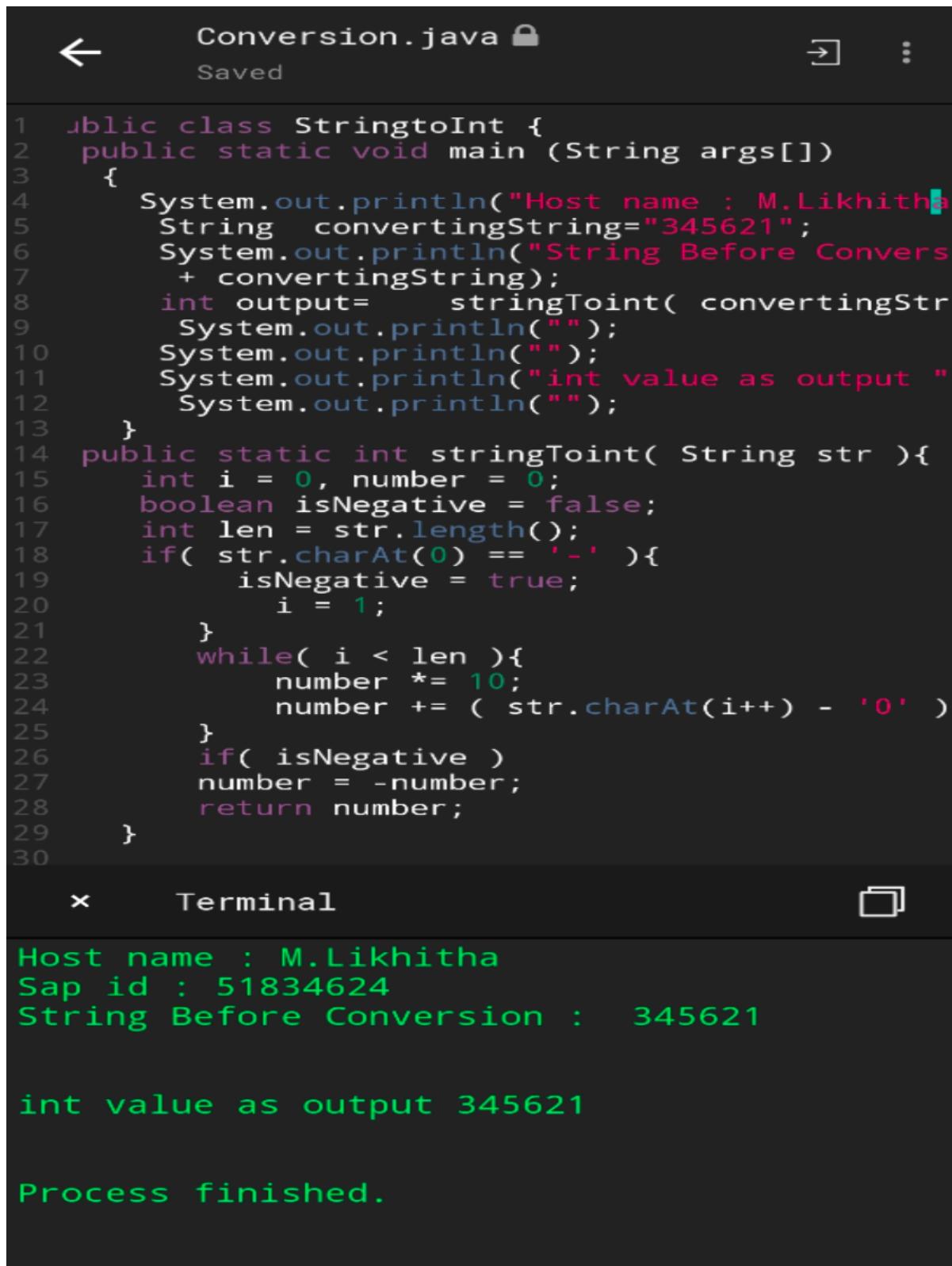
Enter first String: XYZ
Enter second String: ZYX
XYZ and ZYX are rotations of each other.
false

Process finished.
```



Edit with WPS Office

3rd Question and output Screen :



```
Conversion.java
Saved

1 public class StringToInt {
2     public static void main (String args[])
3     {
4         System.out.println("Host name : M.Likhitha");
5         String convertingString="345621";
6         System.out.println("String Before Convers
7             + convertingString);
8         int output=    stringToInt( convertingStr
9         System.out.println("");
10        System.out.println("");
11        System.out.println("int value as output ");
12        System.out.println("");
13    }
14    public static int stringToInt( String str ){
15        int i = 0, number = 0;
16        boolean isNegative = false;
17        int len = str.length();
18        if( str.charAt(0) == '-' ){
19            isNegative = true;
20            i = 1;
21        }
22        while( i < len ){
23            number *= 10;
24            number += ( str.charAt(i++) - '0' );
25        }
26        if( isNegative )
27            number = -number;
28        return number;
29    }
30}

x      Terminal
```

Host name : M.Likhitha  
Sap id : 51834624  
String Before Conversion : 345621

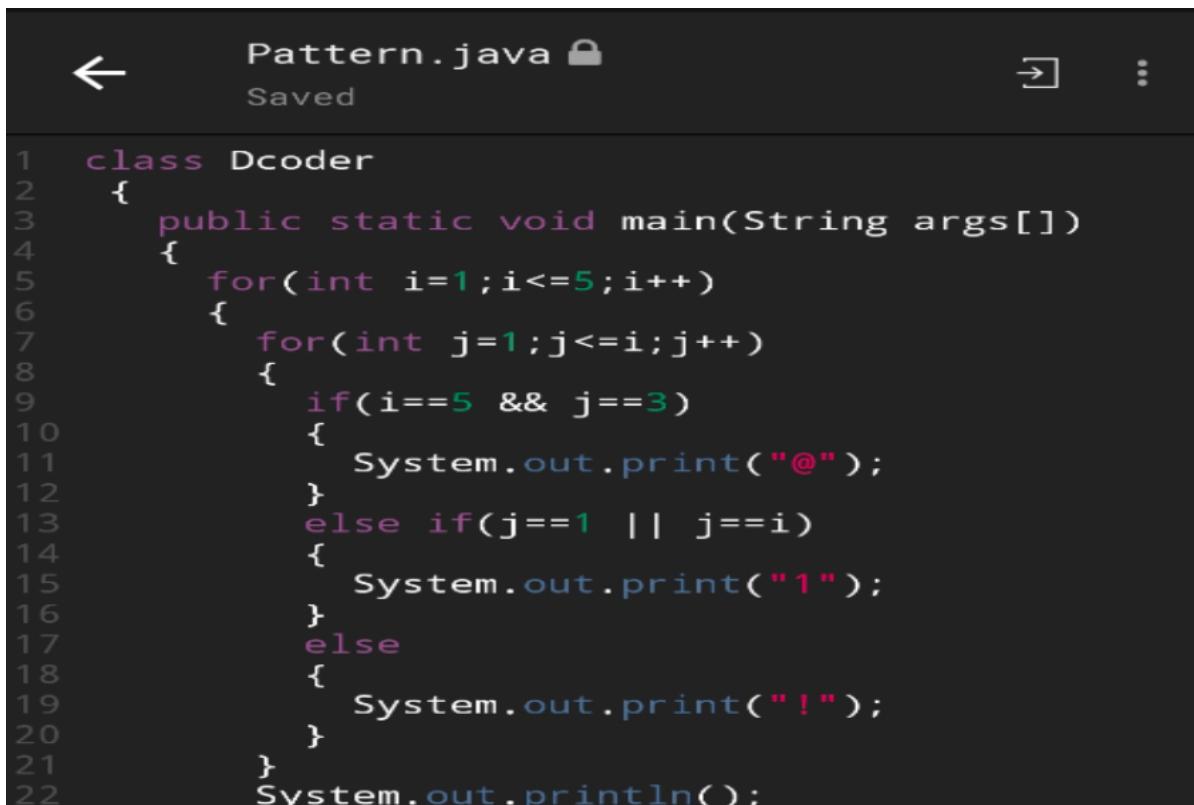
int value as output 345621

Process finished.



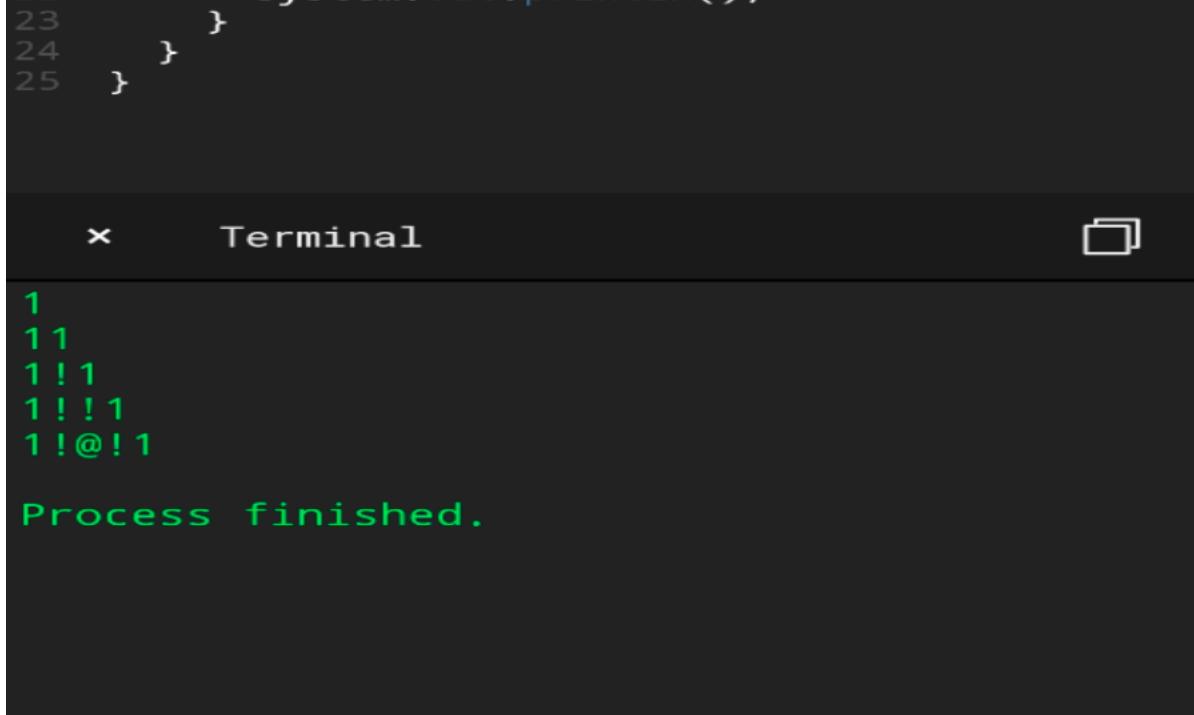
Edit with WPS Office

4th Question and Output Screen:



```
Pattern.java   
Saved
```

```
1 class Dcoder
2 {
3     public static void main(String args[])
4     {
5         for(int i=1;i<=5;i++)
6         {
7             for(int j=1;j<=i;j++)
8             {
9                 if(i==5 && j==3)
10                 {
11                     System.out.print("@");
12                 }
13                 else if(j==1 || j==i)
14                 {
15                     System.out.print("1");
16                 }
17                 else
18                 {
19                     System.out.print("!");
20                 }
21             }
22             System.out.println();
23         }
24     }
25 }
```

```
x Terminal 
```

```
1
11
1!1
1!!!1
1!@!1

Process finished.
```



Edit with WPS Office

5th Question :

```
Bubblesort.java  Saved
```

```
1 public class Sort
2 {
3     public static void main (String[] args)
4     {
5         System.out.println("Host name : M.Likhit");
6         int a[] = {16, 19, 11, 15, 10, 12, 14};
7
8         for(int j = 0; j<a.length; j++)
9         {
10             //initially swapped is false
11             boolean swapped = false;
12             int i = 0;
13             while(i<7-1)
14             {
15                 //comparing the adjacent elements
16                 if (a[i] > a[i+1])
17                 {
18                     //swapping
19                     int temp = a[i];
20                     a[i] = a[i+1];
21                     a[i+1] = temp;
22                     //Changing the value of swapped
23                     swapped = true;
24                 }
25                 i++;
26             }
27             //if swapped is false then the array
28             //we can stop the loop
29             if (!swapped)
30                 break;
31         }
32
33         for(int x : a)
34         {
35             System.out.println(x);
36         }
37
38     }
39 }
```



Edit with WPS Office

Output Screen:

```
x Terminal

Host name : M.Likhitha
Sap id : 518342624
10
11
12
14
15
16
19

Process finished.
```



Edit with WPS Office