

```

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, not
12         }
13         else if(measurement>=2 && measurement<3)
14         {
15             System.out.println("Generally not felt, bu
16         }
17         else if(measurement>=3 && measurement<4)
18         {
19             System.out.println("Noticeable shaking of
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 collaps
32         }
33         else if(measurement>=7 && measurement<8)
34         {
35             System.out.println("Many buildings collaps
36         }
37         else if(measurement>=8 && measurement<=12)
38         {
39             System.out.println("Total destruction of b

```

```

38     {
39         System.out.println("Total destruction of 1
40     }
41     else if(measurement>12)
42     {
43         throw new Exception("Application crashed")
44     }
45     else
46     {
47         throw new Exception("You cannot enter nega
48     }
49 }
50 }
51 class UserInput
52 {
53     public static void main(String args[])
54     {
55         System.out.println("Name : O.Jahnavi\nSAP I
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.description(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 othe
74         }
75     }
76 }

```

Name : O.Jahnavi  
SAP ID : 51834504  
Enter the measurement :  
5  
Furnitures move

Process finished.

|

Name : O.Jahnavi

SAP ID : 51834504

Enter the measurement :

9

Total destruction of buildings, roads and

Process finished.

|

```
Name : O.Jahnavi  
SAP ID : 51834504  
Enter the measurement :  
58  
Application crashed  
  
Process finished.
```

```
|
```



```
Name : O.Jahnavi  
SAP ID : 51834504  
Enter the measurement :  
hdjs  
You cannot enter other than float values  
  
Process finished.
```

```
1 import java.util.Scanner;
2 class StringRotations
3 {
4     public static void main(String[] args)
5     {
6         System.out.println("Name : O.Jahnavi\nSAP ID");
7         Scanner sc=new Scanner(System.in);
8         System.out.println("Enter First String : ");
9         String s1=sc.nextLine();
10        System.out.println("Enter Second String : ");
11        String s2=sc.nextLine();
12        System.out.println(rotation(s1,s2));
13    }
14    static boolean rotation(String s1,String s2)
15    {
16        boolean result=false;
17        for(int i=0;i<s2.length();i++)
18        {
19            if(s1.equals(s2))
20            {
21                result=true;
22                break;
23            }
24            else
25            {
26                s2=s2.substring(1)+s2.substring(
27            }
28        }
29        return result;
30    }
31 }
```

```
1  il.Scanner;
2  tations
3
4  c void main(String[] args)
5
6  .println("Name : O.Jahnavi\nSAP ID : 51834504");
7  new Scanner(System.in);
8  .println("Enter First String : ");
9  sc.nextLine();
10 .println("Enter Second String : ");
11 sc.nextLine();
12 .println(rotation(s1,s2));
13
14 an rotation(String s1,String s2)
15
16 sult=false;
17 t i=0;i<s2.length();i++)
18
19 (s1.equals(s2))
20
21     result=true;
22     break;
23
24 se
25
26     s2=s2.substring(1)+s2.substring(0,1);
27
28
29 ult;
30
31
```



```
Name : O.Jahnavi  
SAP ID : 51834504  
Enter First String :  
XYZ  
Enter Second String :  
ZXY  
true  
  
Process finished.
```

```
Name : O.Jahnavi  
SAP ID : 51834504  
Enter First String :  
XYZ  
Enter Second String :  
YXZ  
false  
  
Process finished.
```

```
1 import java.util.Scanner;
2 class Conversion
3 {
4     static int replaceDigit(int x, int a)
5     {
6         int result = 0, multiply = 1;
7         while (x % 10 > 0)
8         {
9             int remainder = x % 10;
10            if (remainder != a)
11            {
12                result = result + remainder * multiply;
13                multiply *= 10;
14            }
15            x = x / 10;
16        }
17        return result;
18    }
19    public static void main(String[] args)
20    {
21        System.out.println("Name :O. Jahnavi\nSAP ID:5");
22        Scanner sc=new Scanner(System.in);
23        System.out.print("Enter your number : ");
24        int x = sc.nextInt();
25        System.out.print("Enter number to be removed : ");
26        int a = sc.nextInt();
27        System.out.println(replaceDigit(x, a));
28    }
29 }
```

```

1  a.util.Scanner;
2  ersion
3
4  replaceDigit(int x, int a)
5
6  lt = 0, multiply = 1;
7  % 10 > 0)
8
9  mainder = x % 10;
10 mainder != a)
11
12 lt = result + remainder * multiply;
13  multiply *= 10;
14
15  / 10;
16
17 esult;
18
19 tic void main(String[] args)
20
21 ut.println("Name :O. Jahnavi\nSAP ID:51834504");
22 sc=new Scanner(System.in);
23 ut.print("Enter your number : ");
24 sc.nextInt();
25 ut.print("Enter number to be removed : ");
26 sc.nextInt();
27 ut.println(replaceDigit(x, a));
28
29

```

```
Name :O. Jahnavi  
SAP ID:51834504  
Enter your number : 1452632  
Enter number to be removed : 2  
14563
```

```
Process finished.
```



```
1 class Pattern
2 {
3     public static void main(String args[])
4     {
5         System.out.println("O.Jahnavi\nSAP ID : 518");
6         for(int i=1;i<=5;i++)
7         {
8             for(int j=1;j<=i;j++)
9             {
10                 if(i==5 && j==3)
11                 {
12                     System.out.print("@");
13                 }
14                 else if(j==1 || j==i)
15                 {
16                     System.out.print("1");
17                 }
18                 else
19                 {
20                     System.out.print("!");
21                 }
22             }
23             System.out.println();
24         }
25     }
26 }
```

O.Jahnavi

SAP ID : 51834504

1

11

1!1

1!!1

1!@!1

Process finished.

|

```

1  import java.util.Scanner;
2  public class Demo
3  {
4      public static void main(String []args)
5      {
6          System.out.println("Name : O.Jahnavi\nSAP ID : ");
7          Scanner sc = new Scanner(System.in);
8          System.out.println("Enter Size :");
9          int n = sc.nextInt();
10         sc.nextLine();
11         String[] str = new String[n];
12         System.out.println("enter "+n+" elements : ");
13         for (int i=0;i<n;i++)
14         {
15             str[i]=sc.nextLine();
16         }
17         for (int i=0;i<n;i++)
18         {
19             for (int j=i+1;j<n;j++)
20             {
21                 if (str[i].compareTo(str[j])>0)
22                 {
23                     String temp = str[j];
24                     str[j] = str[i];
25                     str[i] = temp;
26                 }
27             }
28         }
29         System.out.println("Sorted string : ");
30         for (int i=0;i<n;i++)
31         {
32             System.out.println(str[i]);
33         }
34     }
35 }

```

```
Name : O.Jahnavi
SAP ID : 51834504
Enter Size :
5
enter 5 elements :
jahnavi
lavanya
vyshnavi
bhavana
anushka
Sorted string :
anushka
bhavana
jahnavi
lavanya
vyshnavi

Process finished.
█
```