



```
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 felt");
12        }
13        else if(measurement>=2 && measurement<3)
14        {
15            System.out.println("Generally not felt, but recorded");
16        }
17        else if(measurement>=3 && measurement<4)
18        {
19            System.out.println("Noticeable shaking of indoor items, rattling noises");
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 collapsed");
36        }
37        else if(measurement>=8 && measurement<=12)
38        {
39            System.out.println("Total destruction of buildings, roads and bridges");
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 measurement");
48     }
49 }
50 }
51 class UserInput
52 {
53     public static void main(String args[])
54     {
55         Earthquake e=new Earthquake();
56         System.out.println("Tarunsai\n SAP=51834698");
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 other than float values");
74         }
75     }
76 }
```

x Terminal



Tarunsai

SAP=51834698

Enter the measurement :

5

Furnitures move

Process finished.

x Terminal



Tarunsai

SAP=51834698

Enter the measurement :

-6

You cannot enter negative measurement

Process finished.

x Terminal



Tarunsai

SAP=51834698

Enter the measurement :

12.8

You cannot enter other than float values

Process finished.



Saved

```
1  /*2nd question Rotation*/
2  import java.util.Scanner;
3  class Rotation
4  {
5      public static void main(String[] args)
6      {
7          Scanner sc=new Scanner(System.in);
8          System.out.println("Tarun sai SAP=51834698");
9          System.out.println("Enter First String : ");
10         String s1=sc.nextLine();
11         System.out.println("Enter Second String : ");
12         String s2=sc.nextLine();
13         System.out.println(rotation(s1,s2));
14     }
15     static boolean rotation(String s1,String s2)
16     {
17         boolean result=false;
18         for(int i=0;i<s2.length();i++)
19         {
20             if(s1.equals(s2))
21             {
22                 result=true;
23             }
24             else
25             {
26                 s2=s2.substring(1)+s2.substring(0,1);
27             }
28         }
29         return result;
30     }
31 }
```





Terminal



Tarun sai SAP=51834698

Enter First String :

XYZ

Enter Second String :

ZXY

true

Process finished.



```
1  /*Program to remove a digit in a number 3rd question 24 july*/
2  import java.util.Scanner;
3  class RemoveDigit
4  {
5      static int replaceDigit(int x, int a)
6      {
7          int result = 0, multiply = 1;
8          while (x % 10 > 0)
9          {
10             int remainder = x % 10;
11             if (remainder != a)
12             {
13                 result = result + remainder * multiply;
14                 multiply *= 10;
15             }
16             x = x / 10;
17         }
18         return result;
19     }
20     public static void main(String[] args)
21     {
22         System.out.println("Name :R.Tarun Sai\nSAP ID:51834698");
23         Scanner sc=new Scanner(System.in);
24         System.out.println("Enter your number : ");
25         int x = sc.nextInt();
26         System.out.print("Enter number to be removed : ");
27         int a = sc.nextInt();
28         System.out.println(replaceDigit(x, a));
29     }
30 }
```



Terminal



Name :R.Tarun Sai

SAP ID:51834698

Enter your number :

4787432

Enter number to be removed :

2

478743

Process finished.



Terminal



Name :R.Tarun Sai

SAP ID:51834698

Enter your number :

256733

Enter number to be removed : 3

2567

Process finished.



```
1  /*Pattern 24 july 4th question*/
2  class Pattern
3  {
4      public static void main(String args[])
5      {
6          System.out.println("Tarun sai\n SAP=51834698");
7          for(int i=1;i<=5;i++)
8          {
9              for(int j=1;j<=i;j++)
10             {
11                 if(i==5 && j==3)
12                 {
13                     System.out.print("@");
14                 }
15                 else if(j==1 || j==i)
16                 {
17                     System.out.print("1");
18                 }
19                 else
20                 {
21                     System.out.print("!");
22                 }
23             }
24             System.out.println();
25         }
26     }
27 }
```





Terminal



Tarun sai

SAP=51834698

1

11

1!1

1!!1

1!@!1

Process finished.



```
1  /*String array 5th question 24 july*/
2  import java.util.Scanner;
3  public class BubbleSort
4  {
5      public static void main(String []args)
6      {
7          System.out.println("Name : R.Tarun sai\nSAP ID : 51834698");
8          Scanner sc = new Scanner(System.in);
9          System.out.println("Enter Size :");
10         int n = sc.nextInt();
11         sc.nextLine();
12         String[] str = new String[n];
13         System.out.println("enter "+n+" elements : ");
14         for (int i=0;i<n;i++)
15         {
16             str[i]=sc.nextLine();
17         }
18         for (int i=0;i<n;i++)
19         {
20             for (int j=i+1;j<n;j++)
21             {
22                 if (str[i].compareTo(str[j])>0)
23                 {
24                     String temp = str[j];
25                     str[j] = str[i];
26                     str[i] = temp;
27                 }
28             }
29         }
30         System.out.println("Sorted string : ");
31         for (int i=0;i<n;i++)
32         {
33             System.out.println(str[i]);
34         }
35     }
36 }
```

× Terminal



Name : R.Tarun sai

SAP ID : 51834698

Enter Size :

5

enter 5 elements :

67

799

5688

-689

086

Sorted string :

-689

086

5688

67

799

Process finished.

