



earthquake.java



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```
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,
20             rattling noises.\nSignificant noises unlikely.");
21     }
22     else if(measurement>=4 && measurement<5)
23     {
24         System.out.println("Walls crack");
25     }
26     else if(measurement>=5 && measurement<6)
27     {
28         System.out.println("Furnitures move");
29     }
30     else if(measurement>=6 && measurement<7)
31     {
32         System.out.println("Some buildings collapse");
33     }
34     else if(measurement>=7 && measurement<8)
35     {
36         System.out.println("Many buildings collapsed");
37     }
38 }
```

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ement<=12)

try android studio keyboard - render document of buildings





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```
33    }
34    else if(measurement>=7 && measurement<8)
35    {
36        System.out.println("Many buildings collapsed");
37    }
38    else if(measurement>=8 && measurement<=12)
39    {
40        System.out.println("Total destruction of buildings,
41        roads and bridges");
42    }
43    else if(measurement>12)
44    {
45        throw new Exception("Application crashed");
46    }
47    else
48    {
49        throw new Exception("You cannot enter negative
50        measurement");
51    }
52 }
53 }
54 class UserInput
55 {
56     public static void main(String args[])
57     {
58         Earthquake e=new Earthquake();
59         Scanner sc=new Scanner(System.in);
60         System.out.println("Name:G.vyshnavi,SAP ID:51834743");
61         System.out.println("Enter the measurement : ");
62         try
63         {
64             int measure=sc.nextInt();
65             try
66             {
67                 e.description(measure);
68             }
69             catch(Exception ex)
70             {
71             }
72         }
73     }
74 }
```

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```
3  {
4      throw new Exception("You cannot enter negative
5          measurement");
6  }
7 }
8 class UserInput
9 {
10     public static void main(String args[])
11     {
12         Earthquake e=new Earthquake();
13         Scanner sc=new Scanner(System.in);
14         System.out.println("Name:G.vyshnavi,SAP ID:51834743");
15         System.out.println("Enter the measurement : ");
16         try
17         {
18             int measure=sc.nextInt();
19             try
20             {
21                 e.description(measure);
22             }
23             catch(Exception ex)
24             {
25                 System.out.println(ex.getMessage());
26             }
27         }
28         catch(InputMismatchException i)
29         {
30             System.out.println("You cannot enter other than float values");
31         }
32     }
33 }
```

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x Terminal



Name:G.vyshnavi,SAP ID:51834743

Enter the measurement :

4

Walls crack

Process finished.





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```
1 import java.util.Scanner;
2 class StringRotations
3 {
4     public static void main(String[] args)
5     {
6         Scanner sc=new Scanner(System.in);
7         System.out.println("Name:G.vyshnavi,SAP ID:51834743");
8         System.out.println("Enter First String : ");
9         String s1=sc.nextLine(); /*Taking input of first string from user*/
10        System.out.println("Enter Second String : ");
11        String s2=sc.nextLine(); /*Taking input of second string from user*/
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)) /*Checking if both the strings
20            are equal*/
21            {
22                result=true;
23                break;
24            }
25            else
26            {
27                s2=s2.substring(1)+s2.substring(0,1);
28                /*In every iteration bringing the first letter to last position*/
29            }
30        }
31        return result;
32    }
33 }
34 }
```

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x Terminal



Name:G.vyshnavi,SAP ID:51834743

Enter First String :

xyz

Enter Second String :

zxy

true

Process finished.

number.java

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```
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:G.vyshnavi,SAP ID:51834743");
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 }
```

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Name:G.vyshnavi,SAP ID:51834743
Enter your number : 122345
Enter number to be removed : 3
12245

Process finished.



Saved

```
1 class Dcoder
2 {
3     public static void main(String args[])
4     {
5         System.out.println("Name:G.vyshnavi,SAP ID:51834743");
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 }
```

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x Terminal



Name:G.vyshnavi,SAP ID:51834743

1
11
111
1!!1
1!@!1

Process finished.

|



bubble sort.java



Saved

```
1 import java.util.Scanner;
2 public class Demo
3 {
4     public static void main(String []args)
5     {
6         System.out.println("Name:G.vyshnavi,SAP ID:51834743");
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 }
```

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x Terminal



Name:G.vyshnavi,SAP ID:51834743

Enter Size :

2

enter 2 elements :

23

22

Sorted string :

22

23

Process finished.