



1stAnswer24_07_20.java



Saved

```
1
2 //1st answer
3 import java.util.*;
4
5 // Compiler version JDK 11.0.2
6
7 class Earthquake
8 {
9     public static void main(String args[])
10    {
11        Scanner sc=new Scanner(System.in);
12        System.out.println("author:P.Hemanth\nsap.i
13        System.out.println("enter the level:");
14        double measurement=sc.nextDouble();
15
16        if(measurement<=0){
17            System.out.println("enter above '0'.");
18
19        } else if(measurement<=5.0){
20            System.out.println("nothing to worry, al
21
22        } else if(measurement<=8.0){
23            System.out.println("Danger");
24
25        } else if(measurement<=12.0){
26            System.out.println("High alert!!!");
27
28        } else{
29            System.out.println("System crashed!!!");
30            System.exit(0);
31
32        }
33    }
34 }
35
```



× Terminal



```
author:P.Hemanth  
sap.id:51834553  
enter the level:  
9.99  
High alert!!!  
  
Process finished.
```



2ndAnswer24_07_20.java



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```
1
2 //2nd answer
3
4 import java.util.*;
5
6 // Compiler version JDK 11.0.2
7
8
9 public class Rotation {
10
11     public static void main(String[] args) throws Exc
12
13         Scanner sc = new Scanner(System.in);
14         System.out.println("Author:P.Hemanth\nSAP ID:51
15         System.out.println("Enter the first string:");
16         String str1 = sc.nextLine();
17
18         System.out.println("Enter the second string:");
19         String str2 = sc.nextLine();
20
21         if (checkRotatation(str1, str2)) {
22             System.out.println(str1 + " and " + str2
23                 + " are rotation of each other. ");
24         } else {
25             System.out.println(str1+" and "+str2+
26                 " are not rotation of each other. ");
27         }
28
29         sc.close();
30     }
31
32     public static boolean checkRotatation(String orig
33         if (original.length() != rotation.length()) {
34             return false;
35         }
36
37         String concatenated = original + original;
38
39         if (concatenated.indexOf(rotation) != -1) {
40             return true;
41         }
42
43         return false;
44     }
45 }
```





Terminal



Author:P.Hemanth

SAP ID:51834553

Enter the first string:

xyz

Enter the second string:

zxy

xyz and zxy are rotation of each other.

Process finished.





3rdAnswer24_07_20.java



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```
1 //3rd answer
2
3 import java.util.*;
4
5 // Compiler version JDK 11.0.2
6
7
8 public class ReplaceDigits {
9
10     static int replace0with5(int number)
11     {
12
13         return number += calculateAddedValue(number);
14     }
15
16
17
18
19
20     // returns the number to be added to the
21
22     // input to replace all zeroes with five
23
24     private static int calculateAddedValue(int number)
25     {
26
27
28
29
30         // amount to be added
31
32         int result = 0;
33
34
35
36         // unit decimal place
37
38         int decimalPlace = 1;
39
40
41
42         if (number == 0) {
43
44             result += (5 * decimalPlace);
45
46         }
47
48
49
50         while (number > 0) {
```





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```
44         result += (5 * decimalPlace);
45
46     }
47
48
49
50     while (number > 0) {
51
52         if (number % 10 == 0)
53
54             // a number divisible by 10, then
55
56             // this is a zero occurrence in the
57
58             result += (5 * decimalPlace);
59
60
61
62         // move one decimal place
63
64         number /= 10;
65
66         decimalPlace *= 10;
67
68     }
69
70     return result;
71
72 }
73
74
75
76 public static void main(String[] args)
77
78 {
79     Scanner sc=new Scanner(System.in);
80     System.out.println("author:P.Hemanth\nsa");
81     System.out.println("enter the number:");
82     int num=sc.nextInt();
83
84     System.out.println("enter the number to");
85     int rep=sc.nextInt();
86     System.out.println("enter the number to");
87     int repl=sc.nextInt();
88
89     System.out.print(replacerepwithrepl (num));
90
91 }
92 }
```





5thAnswer24_07_20.java



Saved

```
1
2 //5th answer
3
4 import java.util.*;
5
6 // Compiler version JDK 11.0.2
7
8 public class JavaExample {
9     public static void main(String []args) {
10         Scanner sc=new Scanner(System.in);
11         System.out.println("author:P.Hemanth\nsap.");
12         System.out.println("enter the size of the");
13         int size=sc.nextInt();
14         String str[]= new String[size];
15         System.out.println("enter "+size+" names:");
16         for(int i=0;i<size;i++)
17         {
18             str[i]=sc.nextLine();
19         }
20
21         String temp;
22         System.out.println("Strings in sorted order:");
23         for (int j = 0; j <str.length; j++) {
24             for (int i = j + 1; i < str.length; i++) {
25                 // comparing adjacent strings
26                 if (str[i].compareTo(str[j]) < 0) {
27                     temp = str[j];
28                     str[j] = str[i];
29                     str[i] = temp;
30                 }
31             }
32             System.out.println(str[j]);
33         }
34     }
35 }
```

