Dashboard / My courses / CS23333-OOPUJ-2023 / Lab-02-Flow Control Statements / Lab-02-Logic Building

Status	Finished
Started	Monday, 30 September 2024, 2:21 PM
Completed	Monday, 30 September 2024, 6:21 PM
Duration	4 hours

Question **1**

Correct

Marked out of 5.00

You and your friend are movie fans and want to predict if the movie is going to be a hit!

The movie's success formula depends on 2 parameters:

the acting power of the actor (range 0 to 10)

the critic's rating of the movie (range 0 to 10)

The movie is a hit if the acting power is excellent (more than 8) or the rating is excellent (more than 8). This holds true except if either the acting power is poor (less than 2) or rating is poor (less than 2), then the movie is a flop. Otherwise the movie is average.

Write a program that takes 2 integers:

the first integer is the acting power

second integer is the critic's rating.

You have to print Yes if the movie is a hit, Maybe if the movie is average and No if the movie is flop.

Example input:

9 5

Output:

Yes

Example input:

1 9

Output:

No

Example input:

6 4

Output:

Maybe

For example:

Input	Result
9 5	Yes
1 9	No
6 4	Maybe

Answer: (penalty regime: 0 %)

```java
1   import java.util.Scanner;
2   public class Ar{
3       public static void main(String[] args){
4           Scanner sc = new Scanner(System.in);
5           int ap = sc.nextInt();
6           int r = sc.nextInt();
7           if(ap >=2 && r >=2){
8               if(ap >8 || r > 8){
9                   System.out.println("Yes");
10              }
11              else{
12                  System.out.println("Maybe");
13              }
14          }
15          else{
16              System.out.println("No");
17          }
18      }
19  }
```

	Input	Expected	Got	
✓	9 5	Yes	Yes	✓
✓	1 9	No	No	✓
✓	6 4	Maybe	Maybe	✓

Passed all tests! ✓

	Input	Expected	Got	
✓	9 5	Yes	Yes	✓
✓	1 9	No	No	✓

Question **2**

Correct

Marked out of 5.00

Write a Java program to input a number from user and print it into words using for loop. How to display number in words using loop in Java programming.

Logic to print number in words in Java programming.

Example

Input

1234

Output

One Two Three Four

Input:

16

Output:

one six

For example:

Test	Input	Result
1	45	Four Five
2	13	One Three
3	87	Eight Seven

Answer: (penalty regime: 0 %)

```java
import java.util.Scanner;
public class Loop{
    Scanner sc = new Scanner(System.in);
    int r;
    String s;
    public void getNo(){
        r = sc.nextInt();
        s= Integer.toString(r);
    }

    public void PrintWord(){

        for(int i = 0; i < s.length();i++){
            if(s.charAt(i) == '0'){
                System.out.print("Zero ");
            }
            else if(s.charAt(i) == '1'){
                System.out.print("One ");
            }
            else if(s.charAt(i) == '2'){
                System.out.print("Two ");
            }
            else if(s.charAt(i) == '3'){
                System.out.print("Three ");
            }
            else if(s.charAt(i) == '4'){
                System.out.print("Four ");
            }
            else if(s.charAt(i) == '5'){
                System.out.print("Five ");
            }
            else if(s.charAt(i) == '6'){
                System.out.print("Six ");
            }
            else if(s.charAt(i) == '7'){
                System.out.print("Seven ");
            }
            else if(s.charAt(i) == '8'){
                System.out.print("Eight ");
            }
            else if(s.charAt(i) == '9'){
                System.out.print("Nine");
```

```
43                }
44        }}
45  ▾   public static void main(String[] args){
46            Loop ob = new Loop();
47            ob.getNo();
48            ob.PrintWord();
49        }
50  }
```

	Test	Input	Expected	Got	
✓	1	45	Four Five	Four Five	✓
✓	2	13	One Three	One Three	✓
✓	3	87	Eight Seven	Eight Seven	✓

Passed all tests! ✓

Question **3**

Correct

Marked out of 5.00

Consider a sequence of the form 0, 1, 1, 2, 4, 7, 13, 24, 44, 81, 149...

Write a method program which takes as parameter an integer n and prints the nth term of the above sequence. The nth term will fit in an integer value.

Example Input:

5

Output:

4

Example Input:

8

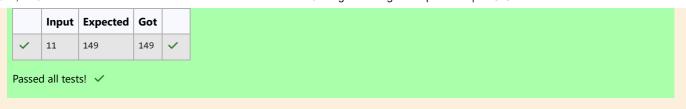Output:

24

Example Input:

11

Output:

149

For example:

Input	Result
5	4
8	24
11	149

Answer: (penalty regime: 0 %)

```java
import java.util.Scanner;
public class Sequence{

    public static void main(String[] args){
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        int f1 = 0,f2 = 1,f3 = 1;
        int sum = 0;


        for(int i = 3 ; i < n; i++){
          sum = f1+f2+f3;

          f1 = f2;
          f2 = f3;
          f3 = sum;
        }
        System.out.print(sum);
    }

}
```

	Input	Expected	Got	
✓	5	4	4	✓
✓	8	24	24	✓

	Input	Expected	Got	
✓	11	149	149	✓

Passed all tests! ✓

◄ Lab-02-MCQ

Jump to...	⇕

Lab-03-MCQ ►