Status	Finished
Started	Monday, 7 October 2024, 12:17 PM
Completed	Monday, 7 October 2024, 12:21 PM
Duration	4 mins 46 secs

Question **1**

Correct

Marked out of 5.00

Write a program that takes as parameter an integer n.

You have to print the number of zeros at the end of the factorial of n.

For example, 3! = 6. The number of zeros are 0. 5! = 120. The number of zeros at the end are 1.

Note: n! < 10^5

Example Input:

3

Output:

0

Example Input:

60

Output:

14

Example Input:

100

Output:

24

Example Input:

1024

Output:

253

For example:

Input	Result
3	0
60	14
100	24
1024	253

Answer: (penalty regime: 0 %)

Reset answer

```java
import java.util.Scanner;

public class FactorialZeros {
    // Function to calculate number of trailing zeros in factorial of n
    public static int countTrailingZeros(int n) {
        int count = 0;
        // Count factors of 5 in n!
        for (int i = 5; n / i >= 1; i *= 5) {
            count += n / i;
        }
        return count;
    }

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        System.out.println(countTrailingZeros(n));
        sc.close();
    }
}
```

	Input	Expected	Got	
✓	3	0	0	✓
✓	60	14	14	✓
✓	100	24	24	✓
✓	1024	253	253	✓

Passed all tests! ✓

Question **2**

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 %)

```
import java.util.Scanner;

public class MoviePrediction {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int actingPower = sc.nextInt();
        int criticsRating = sc.nextInt();

        if ((actingPower > 8 || criticsRating > 8) && actingPower >= 2 && criticsRating >=
            System.out.println("Yes");
        } else if (actingPower < 2 || criticsRating < 2) {
            System.out.println("No");
        } else {
            System.out.println("Maybe");
        }

        sc.close();
    }
}
```

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

Passed all tests! ✓

Question **3**

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 %)

```
import java.util.Scanner;
public class num{
    public static void main(String[] args){
        Scanner s=new Scanner(System.in);
        String input=s.nextLine();
        String[] w={"Zero","One","Two","Three","Four","Five","Six","Seven","Eight","Nine"};
        for(int i=0;i<input.length();i++){
            int d=Character.digit(input.charAt(i),10);
            System.out.print(w[d]+" ");
        }
        s.close();
    }
}
```

	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! ✓

◄ Lab-02-MCQ

Jump to...

Lab-03-MCQ ►