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<b>Status</b>	Finished
<b>Started</b>	Sunday, 22 September 2024, 11:42 AM
<b>Completed</b>	Sunday, 22 September 2024, 11:58 AM
<b>Duration</b>	15 mins 43 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

```
1 // Java program to count trailing 0s in n!
2 import java.io.*;
3 import java.util.Scanner;
4 class prog {
5     // Function to return trailing
6     // 0s in factorial of n
7     static int findTrailingZeros(int n)
8     {
9         if (n < 0) // Negative Number Edge Case
10             return -1;
11
12         // Initialize result
13         int count = 0;
14
15         // Keep dividing n by powers
16         // of 5 and update count
17         for (int i = 5; n / i >= 1; i *= 5){
```

	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 %)

```
1 import java.util.Scanner;
2
3 public class MoviePredictor {
4
5     public static void main(String[] args) {
6         Scanner sc = new Scanner(System.in);
7         int actingPower = sc.nextInt();
8         int Rating = sc.nextInt();
9
10        if (actingPower < 2 || Rating < 2) {
11            System.out.println("No");
12        }
13        else if (actingPower > 8 || Rating > 8) {
14            System.out.println("Yes");
15        }
16        else {
17            System.out.println("Maybe");
18        }
19    }
20 }
```

	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 %)

```
1 import java.util.Scanner;
2
3 public class NumberToWords {
4
5     public static void main(String[] args) {
6         String[] words = {"Zero", "One", "Two", "Three", "Four",
7                             "Five", "Six", "Seven", "Eight", "Nine"};
8
9         Scanner sc = new Scanner(System.in);
10        int number = sc.nextInt();
11        String numberStr = Integer.toString(number);
12        for (int i = 0; i < numberStr.length(); i++) {
13            int digit = numberStr.charAt(i) - '0';
14            System.out.print(words[digit] + " ");
15        }
16
17        sc.close();
18    }
19 }
```

	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! ✓

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