```
Question 1
Correct
Marked out of 5.00

P Flag question
```

```
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:
Output:
0
Example Input:
Output:
Example Input:
100
Output:
24
Example Input:
1024
Output:
253
For example:
 Input Result
        14
 60
        24
 100
 1024
        253
```

```
import java.util.Scanner;
public class TrailingZeros{
   public static int
   countTrailingZeros(int n){
     int count=0;
     for (int i = 5; n / i >= 1; i*=5 )
        count += n / i;

   return count;
}

public static void main(String[] args)
{
     Scanner scanner = new Scanner(System.in);
     int n = scanner.nextInt();
```

```
int result=countTrailingZeros(n);
    System.out.println(result);
    scanner.close();
}
```

		Input	Expected	Got				
ı	~	3	0	0	~			
	~	60	14	14	~			
	~	100	24	24	~			
	~	1024	253	253	~			
Passed all tests! ✓								



```
}
else if(actingPower>8 || criticsRating>8){
    System.out.println("Yes");
}
else{
    System.out.println("Maybe");
}
scanner.close();
```



Question 3
Correct
Marked out of 5.00

Flag question

```
Consider the following sequence:
1st term: 1
2nd term: 1 2 1
3rd term: 1 2 1 3 1 2 1
4th term: 1 2 1 3 1 2 1 4 1 2 1 3 1 2 1
And so on. Write a program that takes as parameter an integer n and prints the nth terms of this sequence.
Example Input:
Output:
Example Input:
Output:
121312141213121
For example:
 Input Result
       1 2 1
        1 2 1 3 1 2 1
       1 2 1 3 1 2 1 4 1 2 1 3 1 2 1
```

```
import java.util.Scanner;
public class SequenceGenerator{
   public static String generateTerm(int n){
      if(n==1){
```

```
return "1";

}else{
    String previousTerm = generateTerm(n-1);
    return previousTerm+" " + n + " "+previousTerm;
}

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

	Input	Expected	Got	
~	1	1	1	~
~	2	1 2 1	1 2 1	~
~	3	1 2 1 3 1 2 1	1 2 1 3 1 2 1	~
~	4	1 2 1 3 1 2 1 4 1 2 1 3 1 2 1	1 2 1 3 1 2 1 4 1 2 1 3 1 2 1	~

Passed all tests! 🗸