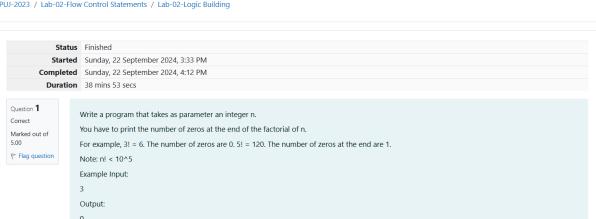
REC-CIS



## **CS23333-Object Oriented Programming Using Java-2023**

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





0 Example Input: 60 Example Input: Output: Example Input: 1024 Output: 253 For example: Innut Result

Input	Result
3	0
60	14
100	24
1024	253

Answer: (penalty regime: 0 %)

```
1 |// Java program to count trailing 0s in n!
2 * import java.io.*;
3 import java.util.Scanner;
   4 - class prog {
    // Function to return trailing
    // 0s in factorial of n
             static int findTrailingZeros(int n)
                 if (n < 0) // Negative Number Edge Case
 10
11
                       return -1;
 12
13
                int sum=1;
int fact=1;
 14
                for(int i=2;i<=n;i++)</pre>
 15
 16
17
                     sum=sum*i;
                int count=0;
int l=sum;
 18
 19
 20
               int div=5;
 21
               while(n/div>0)
 23
24
                    count+=n/div;
 25
26
                    div*=5;
 27
 28
                 return count;
 29
 30
31
            public static void main(String[] args)
{
 32
 33 •
                  int n;
Scanner sc= new Scanner(System.in);
 34
 36
                 n=sc.nextInt();
int k=findTrailingZeros(n);
 37
 38
39
                  System.out.println(k);
 40
41
```

	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
Frag 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:

1

Output:

1

Example Input:

4

Output:

121312141213121

## For example:

Input	Result				
1	1				
2	1 2 1				
3	1 2 1 3 1 2 1				
4	1 2 1 3 1 2 1 4 1 2 1 3 1 2 1				

Answer: (penalty regime: 0 %)

	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! ✓

Question **3**Correct
Marked out of 5.00

Flag question

You have recently seen a motivational sports movie and want to start exercising regularly. Your coach tells you that it is important to get up early in the morning to exercise. She sets up a schedule for you:

On weekdays (Monday - Friday), you have to get up at 5:00. On weekends (Saturday & Sunday), you can wake up at 6:00. However, if you are on vacation, then you can get up at 7:00 on weekdays and 9:00 on weekends.

Write a program to print the time you should get up.

Input Format

Input containing an integer and a boolean value.

The integer tells you the day it is (1-Sunday, 2-Monday, 3-Tuesday, 4-Wednesday, 5-Thursday, 6-Friday, 7-Saturday). The boolean is true if you are on vacation and false if you're not on vacation.

You have to print the time you should get up.

Example Input:

1 false

Output:

6:00

Example Input:

5 false

Output:

5:00

Example Input:

1 true

Output:

9:00

## For example:

Input	Result	
1 false	6:00	
5 false	5:00	
1 true	9:00	

Answer: (penalty regime: 0 %)

```
1 v import java.util.*;
2 public class k
3 v {
              public static String get(int day,boolean vac)
                   if(vac)
                        if(day==1 || day==7)
  10
11
12
13
                            return "9:00";
                        else
                            return "7:00";
  15
  16
  17
  18
  19
                        if(day==1 ||day==7)
  20
  21
                        return "6:00";
  22
23
24
25
26
27
                        }
else
                            return "5:00";
  28
29
              public static void main(String[] args)
  30
31
                   Scanner sc=new Scanner(System.in);
  32
33
34
35
36 |}
                  int day=sc.nextInt();
boolean vac=sc.nextBoolean();
System.out.println(get(day,vac));
```

	Input	Expected	Got	
~	1 false	6:00	6:00	~
~	5 false	5:00	5:00	~
~	1 true	9:00	9:00	~

Passed all tests! 🗸

Finish review