

LP_Practice_nFactorial

Ramya.V | 08 Feb 2023



Finish State: Normal

Test Taken on: February 08, 2023 10:31:15 PM IST



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Overall Summary

40 Marks Scored
out of 40

100 % 100 percentile
out of 48915 Test Takers

3m 21s Time taken
of 1hr 5mins

Marks Scored



Attempt Summary

Distribution of questions attempted in a total of 1 question(s).



This shows the correctness of questions attempted by the test taker

Correct	1 Ques	40/40 Marks
Incorrect	0 Ques	0/0 Marks
Partially Correct	0 Ques	0/0 Marks
Not Attempted	0 Ques	0/0 Marks

Section-Wise Details

▼ Section 1 Program	question(s) 1 Q.	Time taken 3m 21s (Untimed)	Marks Scored 40 / 40
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Marks Scored



Attempt Summary

Distribution of questions attempted in a total of 1 question(s).



■ Correct	1 Ques	40/40 Marks
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This shows the correctness of questions attempted by the test taker

About the Report

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1. Program

Question 1

Revisit Later

How to Attempt?

FACTORIAL of a number

In mathematics, the factorial of a non-negative integer n , denoted by $n!$, is the product of all positive integers less than or equal to n . For example,

$$5! = 5 \times 4 \times 3 \times 2 \times 1 = 120$$

$$4! = 4 \times 3 \times 2 \times 1 = 24$$

$$9! = 9 \times 8 \times 7 \times 6 \times 5 \times 4 \times 3 \times 2 \times 1 = 362880$$

Write a program to find the factorial of a given number.

The given number will be passed to the function as an input parameter of type int.

The function is expected to calculate the factorial of the given number and return it as an int type.

Assumptions for this program:

The given input number will always be greater than or equal to 1.

Due to the range supported by int, the input numbers will range from 1 to 12.

JAVA7

Compiler: Java - 1.7

```
1 import java.io.*;
2 import java.util.*;
3
4 // Read only region start
5 class UserMainCode
6 {
7
8     public int nFactorial(int input1){
9         // Read only region end
10        int fact=1;
11        for(int i=1;i<=input1;i++)
12        {
13            fact=fact*i;
14        }
15        return fact;
16    }
17 }
```

☐ Use Custom Input

Compile and Test

Submit Code

1. Program

1

Attempted: 1/1

Question 1

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TC10

CODE EXECUTION DETAILS

Time: 305 ms

Memory: 103812 kb

TEST CASE INFORMATION

Input

10

Expected Output

3628800

Actual Output

3628800

CONSOLE OUTPUT

STANDARD ERROR/WARNING

None

TC2