

All Contests > 22_PPS1_Lab5 > Factorial of any given number

Factorial of any given number

 locked

Problem	Submissions	Leaderboard	Discussions
---------	-------------	-------------	-------------

Find factorial of a given non-negative integer

Input Format

An integer n

Constraints

$0 \leq n \leq 20$

Output Format

An integer representing factorial of a given number

Sample Input 0

0

Sample Output 0

1

Sample Input 1

1

Sample Output 1

1

Sample Input 2

2

Sample Output 2

2

Sample Input 3


Submissions: [155](#)


Max Score: 10

Difficulty: Easy

Rate This Challenge:

☆☆☆☆☆

 Download problem statement

 Download all test cases

 Suggest Edits

[Collapse](#)

Admin Options

 [Edit Challenge](#)

[View Submissions](#)

3

Sample Output 3

6

Sample Input 4

4

Sample Output 4

24

Sample Input 5

10

Sample Output 5

3628800

C

```
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
5
6 long factorial(int);
7
8 int main()
9 {
10
11     int n;
12     long fact;
13
14     scanf("%d", &n);
15     fact = factorial(n);
16     printf("%ld", fact);
17
18     return 0;
19 }
20
21 long factorial(int)
22 {
23     /* remove this comment and write your code here */
24 }
```

Line: 24 Col: 2

 Upload Code as File ☐ Test against custom input

Run Code

Submit Code

