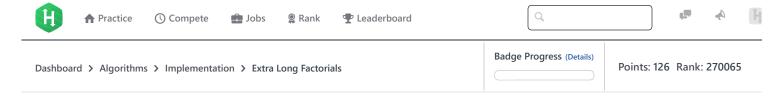
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## Extra Long Factorials



Problem Submissions Leaderboard Discussions Editorial €

You are given an integer N. Print the factorial of this number.

$$N! = N \times (N-1) \times (N-2) \times \cdots \times 3 \times 2 \times 1$$

## Inpu

Input consists of a single integer N, where  $1 \le N \le 100$ .

## Output

Print the factorial of N.

## **Example**

For an input of 25, you would print 15511210043330985984000000.

**Note:** Factorials of N > 20 can't be stored even in a 64 - bit long long variable. Big integers must be used for such calculations. Languages like Java, Python, Ruby etc. can handle big integers, but we need to write additional code in C/C++ to handle huge values.

We recommend solving this challenge using BigIntegers.

f in
Submissions:67539
Max Score:20
Difficulty: Medium
Rate This Challenge:
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```
Current Buffer (saved locally, editable) &
                                                                                           Java 7
1 ▼ import java.io.*;
   import java.util.*;
   import java.text.*;
   import java.math.*;
5
   import java.util.regex.*;
6
7 ▼ public class Solution {
8
9 1
        public static void main(String[] args) {
10
            Scanner in = new Scanner(System.in);
            int n = in.nextInt();
11
12
        }
13
    }
14
                                                                                                                    Line: 1 Col: 1
```

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<u>♣ Upload Code as File</u> Test against custom input

Run Code

Submit Code

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