

# Factorial

85 POINTS

Given a non-negative integer N find the value of N!  
Note that N! = 1 x 2 x 3 x ... x N i.e. product of first N natural numbers.

Input format:  
A single line of input containing the value of N

Output format:  
A single integer denoting the value of N!

Constraints:  
(i)  $0 \leq N \leq 20$

Test Case - 1  
5  
5! = 120

Test Case - 2  
10  
10! = 3628800

Test Case - 3  
0  
0! = 1

NOTE:  
(i) Please note the bounds the input.

## Problem tags:

THE COMPLETE C COURSE   EASY