

<https://panchalprogrammingacademy.github.io/course-problem-deck/#!/problem/5fb26c18d1131200176fe5ae>

# Factorial

85 POINTS

Given a non-negative integer N find the value of N!

Note that  $N! = 1 \times 2 \times 3 \times \dots \times N$  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

LOOPS