

## Problem

You have been given a positive integer  $N$ . You need to find and print the **Factorial** of this number. The Factorial of a positive integer  $N$  refers to the product of all number in the range from  $1$  to  $N$ . You can read more about the factorial of a number [here](#).

### Input Format:

The first and only line of the input contains a single integer  $N$  denoting the number whose factorial you need to find.

### Output Format

Output a single line denoting the factorial of the number  $N$ .

### Constraints

$$1 \leq N \leq 10$$

Sample Input	Sample Output
2	2

Time Limit: 1

Memory Limit: 256

Source Limit: