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.](https://en.wikipedia.org/wiki/Factorial)

**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.

#include<stdio.h>

int main()

{

int i,fact=1,num;

scanf("%d",&num);

for(i=1;i<=num;i++)

fact=fact\*i;

printf("%d\n",fact);

return 0;

}