

Write a program to find Factorial of a number

Description

Get a number from user for which you need to find the factorial, then calculate the factorial and give it as the output.

Input

4

Output

24

C Program

```
#include <stdio.h>
int main ()
{
    int num;
    long fact = 1;
    printf("Enter a number: ");
    scanf("%d",&num);
    if(num < 0)
        printf("Invalid Input");
    else
    {
        for(int i = 1; i <= num; i++)
            fact = fact * i;
    }
    printf("Factorial is: %ld",fact);
}
```

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C++ Program

```
#include<iostream>

using namespace std;

int main ()
{
    int num;
    long fact = 1;
    cout<<"Enter a number: ";
    cin>>num;
    if(num<0)
        cout<<"Invalid Input";
    else
    {
        for(int i = 1; i <= num; i++)
            fact = fact * i;
    }

    cout<<"Factorial is: "<<fact;
}
```

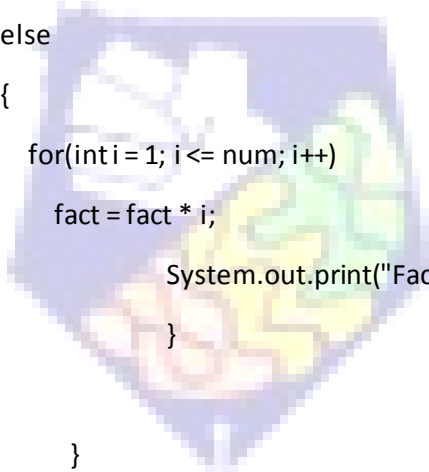
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Java Program

```
import java.util.Scanner;

public class Main
{
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter an Integer: ");
        int num = sc.nextInt();
        int fact = 1;
        if(num < 0)
            System.out.println("Invalid Input");
        else
        {
            for(int i = 1; i <= num; i++)
                fact = fact * i;
            System.out.print("Factorial is "+fact);
        }
    }
}
```



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Python

```
num= int(input("Enter a number"))  
fact=1  
if (num<0):  
    print("Invalid input")  
else:  
    for i in range(1,num+1):  
        fact=fact*i  
    print("Factorial is ",fact)
```



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