```c
/* Write a C program to find the factorial of a given number(Iterative algorithm).*/
#include<stdio.h>
#include<conio.h>
void main()
{
        int i,n,fact=1;
        clrscr();
        printf("Enter a number to calculate it's factorial:- \n");
        scanf("%d",&n);
        for(i=1;i<=n;i++)
                fact=fact*i;
        printf("Factorial of a given number is:- %d \n",fact);
        getch();
}
```
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```c
/* Write a C program to find the factorial of a given number(Recursive algorithm).*/
#include<stdio.h>
#include<conio.h>
long factorial(int);
void main()
{
        int number;
        clrscr();
        printf("Enter a number to calculate it's factorial:- \n");
        scanf("%d",&number);
        printf("%d! = %ld\n",number,factorial(number));
        getch();
}
long factorial(int n)
{
        if(n>=1)
        {
                return n*factorial(n-1);
        }
        else
        {
                return 1;
        }
}
```