Write a C program to find the factorial of the given input:

#include<stdio.h>

int main()

{

int n,fact=1,i;

printf("Enter the value of n = ");

scanf("%d",&n);

if(int(n) && n>=0)

{

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

{

fact=fact\*i;

}

printf("The factorial of the number %d = %d",n,fact);

}

else

{

printf("Invalid input");

}

return 0;

}

Test cases:

Case 1:

Enter the value of n = 0

Invalid input

Case 2:

Enter the value of n = -5

Invalid input

Case 3:

Enter the value of n = 1

The factorial of the number 1 = 1

Case 4:

Enter the value of n = o

Invalid input

Case 5:

Enter the value of n = 13

The factorial of the number 13 = 1932053504