

Find the factorial of a number

| Problem | Submissions | Leaderboard | Discussions |
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Write a C Program to determine the **factorial** of a number.

Input Format

A single integer specifying the **number** whose factorial is to be found.

Constraints

If a negative number is given, print a message "*ERROR*".

Output Format

A single integer specifying the **factorial** of the given number.

Sample Input 0

5

Sample Output 0

120

Explanation 0

5! = 1*2*3*4*5 = 120

Sample Input 1

-2

Sample Output 1

ERROR

f t in

Submissions: 40

Max Score: 10

Difficulty: Easy

Rate This Challenge:

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More

Current Buffer (saved locally, editable) C

1

#include <stdio.h>

2

#include <string.h>

3

#include <math.h>

4

#include <stdlib.h>

5

6

int main() {

7

8

int i,n,f=1;

9

scanf("%d",&n);

10

11

if(n>0)

12

{

13

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

14

{

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```
f=f*i;  
}  
printf("%d",f);  
}  
else if (n==0)  
{  
    printf("1");  
}  
else  
{  
    printf("ERROR");  
}  
return 0;  
}
```

Line: 1 Col: 1

Upload Code as File

☐ Test against custom input

Run Code

Submit Code

Testcase 0 ✓

Testcase 1 ✓

Congratulations, you passed the sample test case.

Click the **Submit Code** button to run your code against all the test cases.

Input (stdin)

5

Your Output (stdout)

120

Expected Output

120