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NPTEL (<https://swayam.gov.in/explorer?ncCode=NPTEL>) » Problem Solving Through Programming In C (course)



If already registered, click to check your payment status

Course outline

How does an NPTEL online course work? ()

Week 0 : ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

Week 6 ()

Week 7 ()

Week 12 : Programming Assignment 1

Due on 2023-10-19, 23:59 IST

Write a program in C to find the factorial of a given number using pointers.

Your last recorded submission was on 2023-10-11, 13:35 IST

Select the Language for this assignment. C ▾

```
1 #include <stdio.h>
2 void findFact(int, long int*);
3 int main()
4 {
5     long int fact; //factorial of the number
6     int num1;
7     scanf("%d",&num1); //The number is taken from test data
8
9     findFact(num1, &fact);
10    printf("The Factorial of %d is : %ld\n",num1, fact);
11    return 0;
12 }
13 void findFact(int n,long int *f)
14 {
15     int i;
16     *f=1;
17     for(i=1;i<=n;i++)
18     {
19         *f=*f*i;
20     }
21 }
```

You may submit any number of times before the due date. The final submission will be considered for grading.



[Week 8 \(\)](#)[Week 9 \(\)](#)[Week 10 \(\)](#)[Week 11 \(\)](#)[Week 12 \(\)](#)[DOWNLOAD
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Solving
Session -
July 2023 \(\)](#)

This assignment has **Public Test cases**. Please click on "Compile & Run" button to see the status of Public test cases. Assignment will be evaluated only after submitting using Submit button below. If you only save as or compile and run the Program , your assignment will not be graded and you will not see your score after the deadline.

[Save as Draft](#)[Compile & Run](#)[Subit](#)[Reset](#)

Sample Test Cases

	Input	Output
Test Case 1	5	The Factorial of 5 is : 120
Test Case 2	10	The Factorial of 10 is : 3628800

