

## Code, Compile &amp; Run

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Contest Code/Name (e.g. JULY15/PRACTICE)Problem Code/Name (e.g. TEST)Select

C (gcc 6.3)Code gets auto saved every second

```
1 #include<stdio.h>
2 int main()
3 {
4     int first=0, second=1, i, n, sum=0;
5     printf("Enter the number of terms: ");
6     scanf("%d",&n);
7     printf("Fibonacci Series:");
8     for(i=0 ; i<n ; i++)
9     {
10         if(i <= 1)
11         {
12             sum=i;
13         }
14         else
15         {
16             sum=first + second;
17             first=second;
18             second=sum;
19         }
20         printf(" %d",sum);
21     }
22     return 0;
23 }
```

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Custom Input

**Status** Successfully executed    **Date** 2020-07-03 05:06:13    **Time** 0 sec    **Mem** 9,424 kB

**Input**

5

Output

Enter the number of terms: Fibonacci Series: 0 1 1 2 3

## Algorithm :

4AL19CS070.

Step 1 : Start

Step 2 : Declare the variable, \*no, factorial, sum, p, i  
and the function fact(int p)

Step 3 : Read the value of no.

Step 4 : Call the function fact(\*no).sum(\*no)

Step 5 : Using a for loop call the function fib(int p)  
and display the fibonacci series & also  
display factorial & summation

Step 6 : Stop

flowchart :

