Aim:

Write a C program to print the Fibonacci series i.e., 0 1 1 2 3 5 8 13 21....., up to the limit given by the user

Hint: By definition, the first two numbers in the Fibonacci sequence are 0 and 1, and each subsequent number is the sum of the previous two.

Source Code:

Program14.c

```c
#include<stdio.h>
int main(){
    int i,n,t1=0,t2=1;
    int t3=t1+t2;
    printf("Enter the maximum limit to generate the Fibonacci series : ");
    scanf("%d",&n);
    printf("The Fibonacci series is : %d %d", t1,t2);
    for(i=3;t3<n;i++)
      {
          printf(" %d " , t3);
          t1=t2;
          t2=t3;
          t3=t1+t2;
      }
}
```

Execution Results - All test cases have succeeded!

Test Case - 1
User Output
Enter the maximum limit to generate the Fibonacci series : 10
The Fibonacci series is : 0 1 1 2 3 5 8

Test Case - 2
User Output
Enter the maximum limit to generate the Fibonacci series : 6
The Fibonacci series is : 0 1 1 2 3 5