

FIBONACCI SERIES:

```
#include <iostream>
using namespace std;

int fib(int n)
{
    if (n <= 1)
        return n;

    return fib(n - 1) + fib(n - 2);
}

int main()
{
    int n;

    cout << "Enter a number :";
    cin >> n;
    int f = fib(n);
    cout << "Fib(" << n << ") = " << f;
}
```

OUTPUT:

```
User@PRATHIKSHA /c/ada lab
$ cd "/c/ada lab/" && g++ fibonacci_recursive.cpp -o fibonacci_recursive && "/c/ada lab/"fibonacci_recursive
Enter a number :7
Fib(7) = 13
User@PRATHIKSHA /c/ada lab
$ cd "/c/ada lab/" && g++ fibonacci_recursive.cpp -o fibonacci_recursive && "/c/ada lab/"fibonacci_recursive
Enter a number :11
Fib(11) = 89
```