**17. Fibonacci series using for loop**

**PROGRAM:**

#include <iostream>

using namespace std;

int main()

{

int n, first =0,second=1,next;

cout<<"Enter the number of terms for fibonacci series:";

cin>>n;

cout<< "Fibonacci series:";

for (int i =0;i<n;++i)

{

if(i<=1)

{

next=i;

}else

{

next=first+second;

first=second;

second=next;

}

cout<< next<<" ";

}

return 0;

}

**OUTPUT:**

