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**Write a program to generate Fibonacci numbers using construct**

#include <iostream>

using namespace std;

class fibo {

private:

int n;

public:

fibo()

{

cout << "enter the terms" << endl;

cin >> n;

}

int fibo\_gen(int x)

{

if (x == 0)

return (1);

else if (x == 1)

return (1);

else

return (fibo\_gen(x - 1) + fibo\_gen(x - 2));

}

void display()

{

cout << "the Fibonacci number are:"

<< "\n";

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

cout << fibo\_gen(i) << endl;

}

};

int main()

{

fibo obj;

obj.display();

return (0);

}

**Output**

enter the terms

7

the Fibonacci number are:

1

1

2

3

5

8

13