

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