

## (fibonacci series)

## Practical NO.13

Aim: Write a Program in C++ using oop to  
create a class fib with constructor,  
destructor, and a member function  
void genfib(). Print a message when  
the Object is created and when  
it is destroyed.

Code:

```
#include <iostream.h>
#include <conio.h>
class fib {
public:
    fib() {
        cout << "Object is born\n";
    }
    void genfib() {
        int a = 0, b = 1, c, i;
        cout << "Fibonacci fibonaci  
ci series (first 10 terms):\n";
        cout << a << " " << b << " ";
        for (i = 3; i <= 10; i++) {
            c = a + b;
            cout << c << " ";
            a = b;
            b = c;
        }
        cout << "\n";
    }
    ~fib() {
}
```

```
cout << "Objects are destroyed..\n";
}
y;
void main() {
    clear();
    fib f;
    f.gen_fib();
    getch();
}
```