GeeksforGeeks

Copy constructor vs assignment operator in C++

Difficulty Level : Medium   •   Last Updated : 08 Jul, 2019

Difficulty Level: Rookie

Consider the following C++ program.

```cpp
#include<iostream>
#include<stdio.h>

using namespace std;

class Test
{
    public:
    Test() {}
    Test(const Test &t)
    {
        cout<<"Copy constructor called "<<endl;
    }

    Test& operator = (const Test &t)
    {
        cout<<"Assignment operator called "<<endl;
        return *this;
    }
};

// Driver code
int main()
{
    Test t1, t2;
    t2 = t1;
    Test t3 = t1;
    getchar();
    return 0;
}
```

Output:

Assignment operator called

Copy constructor called