



Multi Level Inheritance

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Problem

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Solve the problem Inheritance-Introduction before solving this problem.

In the previous problem we learned about Inheritance and how can a derived class object use the member functions of the base class.

In this we will see what multi-level inheritance is. Suppose we have a class A which is the base class and we have a class B which is derived from class A and we have a class C which is derived from class B, we can access the functions of both class A and class B by creating an object for class C. This is called Multi-Level inheritance. (B inherits A and C inherits B.)

Now create a class called Equilateral which inherits from Isosceles and should have a function such that the output is as given below.

Sample Output

```
I am an equilateral triangle
I am an isosceles triangle
I am a triangle
```

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Submissions: 13626

Max Score: 25

Difficulty: Easy

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Current Buffer (saved locally, editable)

C++



```
23 #include <cmath>
24 #include <cstdio>
25 #include <vector>
26 #include <iostream>
27 #include <algorithm>
28 using namespace std;
29
30 class Triangle{
31 public:
32     void triangle(){
33         cout<<"I am a triangle\n";
34     }
35 };
36
37 class Isosceles : public Triangle{
38 public:
39     void isosceles(){
```

```
40         cout<<"I am an isosceles triangle\n";
41     }
42 };
43 class Equilateral : public Isosceles{
44     public:
45     void equilateral(){
46         cout<<"I am an equilateral triangle\n";
47     }
48 };
49
50 //Write your code here.
51 int main(){
52
53     Equilateral eqr;
54     eqr.equilateral();
55     eqr.isosceles();
56     eqr.triangle();
57     return 0;
58 }
59
```

Line: 55 Col: 21

 [Upload Code as File](#)☐ Test against custom input[Run Code](#)[Submit Code](#)

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