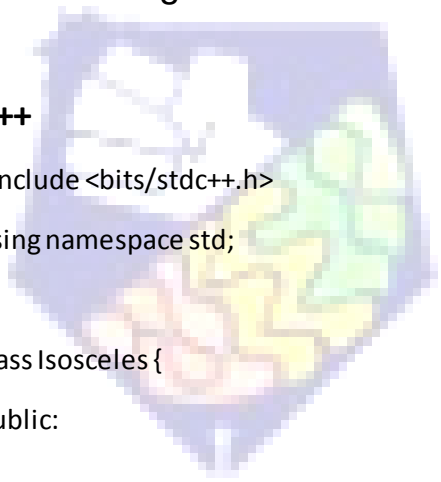
Suppose, we have a class A which is the base class and we have a class B which is derived from class A and we have a class C which is derived from class B, we can access the functions of both class A and class B by creating an object for class C. Hence, this mechanism is called multi-level inheritance.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

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



TalentBattle

C++

```
#include <bits/stdc++.h>
using namespace std;

class Isosceles {
public:

        void display1()
        {
                cout << "I am an isosceles triangle \n";
        }
};

class Equilateral : public Isosceles {
public:
        void display2()
```

```
        {
                cout << "I am an equilateral triangle \n";
        }
};

class C : public Equilateral {

public:
        void display3()
        {
                cout << "I am a traingle";
        }
};
int main()
{

        C obj;

        obj.display2();
        obj.display1();
        obj.display3();
        return 0;
}
```

TalentBattle

Java

```
class Isosceles{
   void display1()
```

```
    {
        System.out.println("I am an isosceles triangle");
    }
}
class Equilateral extends Isosceles{
    void display2()
    {
        System.out.println("I am an equilateral triangle");
    }

}
class C extends Equilateral{
    void display3()
    {
        System.out.println("I am triangle");
    }

}
public class Main
{
        public static void main(String[] args) {
                C c = new C();
                c.display2();
                c.display1();
                c.display3();

        }
}
```

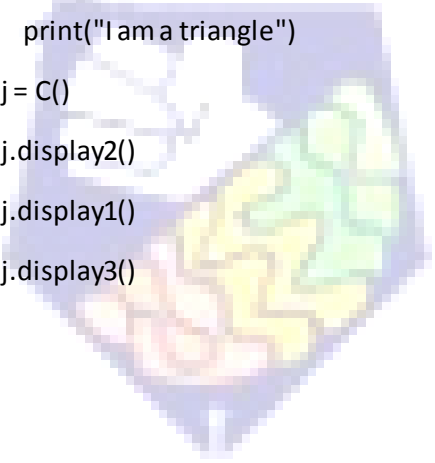
TalentBattle

Python

```
class Isosceles:
    def display1(self):
        print("I am an isosceles triangle")


class Equilateral(Isosceles):
    def display2(self):
        print("I am an equilateral triangle")


class C(Equilateral):
    def display3(self):
        print("I am a triangle")
obj = C()
obj.display2()
obj.display1()
obj.display3()
```



TalentBattle