Exercise

In the code below, the `Dog` class inherits from both `Animal` and `Pet`. Once you have examined the code below, add a `Cat` class that also inherits from `Animal` and `Pet`.

The `Cat` class should have the attribute `string color`. Design the `Cat` class to pass the tests in the `main()` function.

In [ ]:

```
#include <iostream>
#include <string>
#include <assert.h>

class Animal {
public:
    double age;
};

class Pet {
public:
    std::string name;
};

// Dog derives from *both* Animal and Pet
class Dog : public Animal, public Pet {
public:
    std::string breed;
};

class Cat : public Animal, public Pet{
  public:
    std::string color;
};

int main()
{
    Animal animal;
    Pet pet;
    Dog dog;
    Cat cat;
    cat.color == "black";
    cat.age == 10;
    cat.name == "Max";
    assert(cat.color == "black");
    assert(cat.age == 10);
    assert(cat.name == "Max");
}
```

Compile & Execute | Explain

Loading terminal (id_ay2gcn0), please wait...