Hierarchical Inheritance
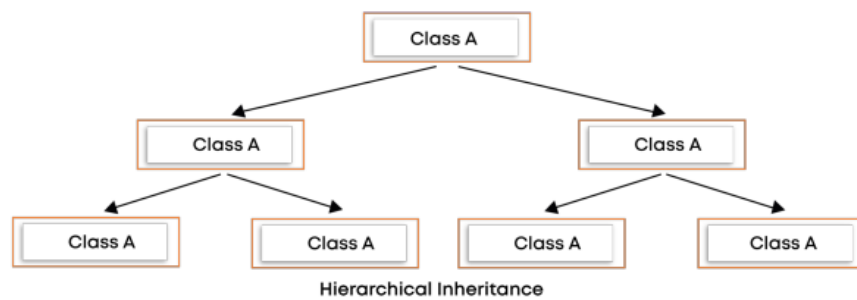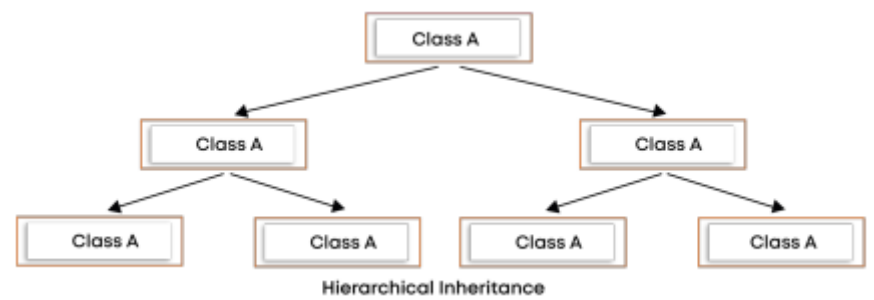
Overview

In hierarchical inheritance, one class serves as a base class for more than one derived class.

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Syntax:

```
class parent_class {
    //Body of parent class
};
class child_class1: access_modifier parent_class {
    //Body of child class1
};
class child_class2: access_modifier parent_class {
    //Body of child class2
};
```

Example:

```cpp
#include<iostream>

using namespace std;
// Parent class
class Animal {
    public:
        void eat() {
            cout << "eating" << endl;
        }
};

// child class1
class Dog: public Animal {
    public: void bark() {
        cout << "barking" << endl;
    }
};

// child class2
class Cat: public Animal {
    public: void meow() {
        cout << "meowing" << endl;
    }
};

int main() {

    Cat obj;
    // calling methods
    obj.eat();
    obj.meow();

}
```

Output:
eating
meowing