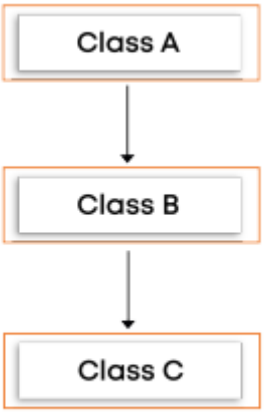
Multilevel Inheritance

Overview

When a class inherits from a derived class, and the derived class becomes the base class of the new class, it is called multilevel inheritance. In multilevel inheritance, there is more than one level.



Multi-Level Inheritance

Syntax:

```
class parent_class {
    //Body of parent class
};
class child_class: access_modifier parent_class {
    //Body of child class
};
class child_class_of_child_class: access_modifier child_class {
        //Body of class
```

```
};
```

Example:

```
#include<iostream>

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

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

class BabyDog: public Dog {
    public: void weep() {
        cout << "weeping";
    }
};

int main() {

    // Creating an object of the child class
    BabyDog obj;

    // calling methods
    obj.eat();
    obj.bark();
    obj.weep();

}
```

Output:

```
eating
barking
weeping
```