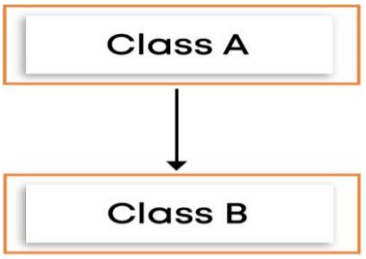
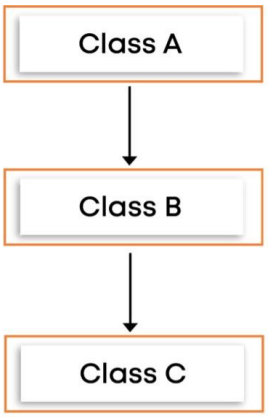
Types of Inheritance

1) **Single inheritance**
   - In single inheritance, one class can extend the functionality of another class.
   - There is only one parent class and one child class in single inheritances.



Single Inheritance

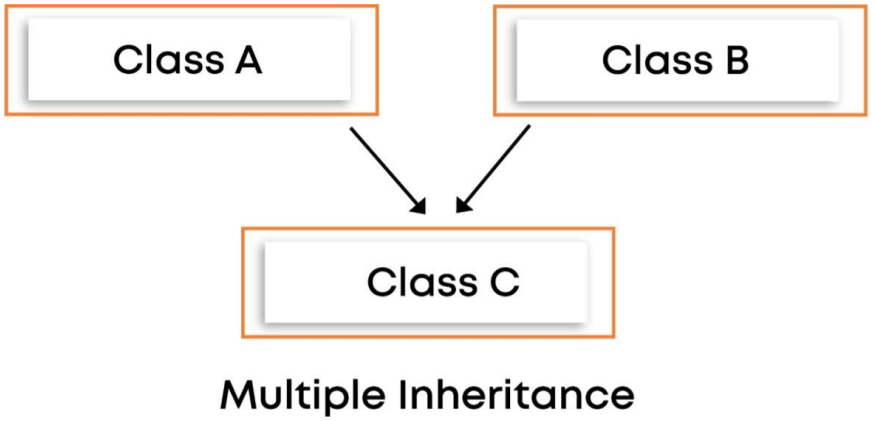
2) **Multilevel inheritance**
   - When a class inherits from a derived class, and the derived class becomes the base class of the new class, it is called multilevel inheritance.
   - In multilevel inheritance, there is more than one level.



Multi-Level Inheritance

3) **Multiple inheritance**

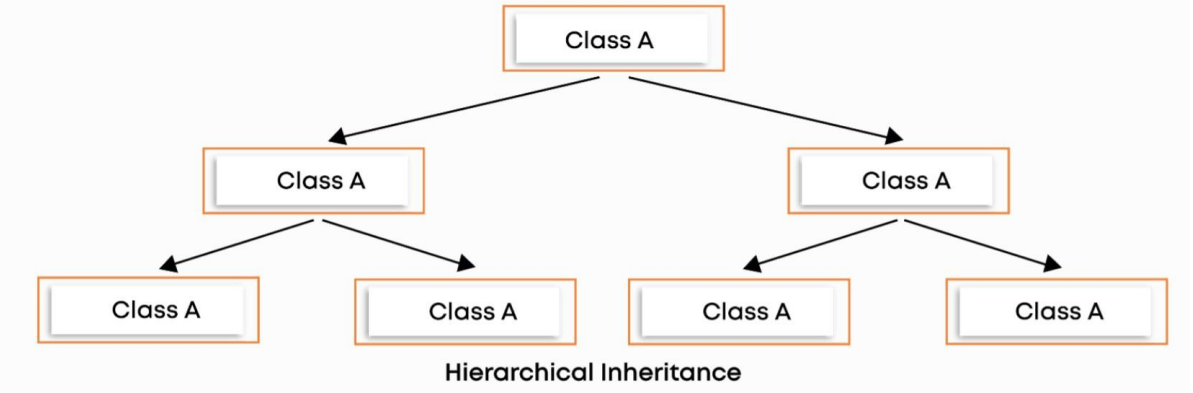
- In multiple inheritance, a class can inherit more than one class.
- This means that asingle child class can have multiple parent classes in this type of inheritance.



Multiple Inheritance

4) **Hierarchical inheritance**

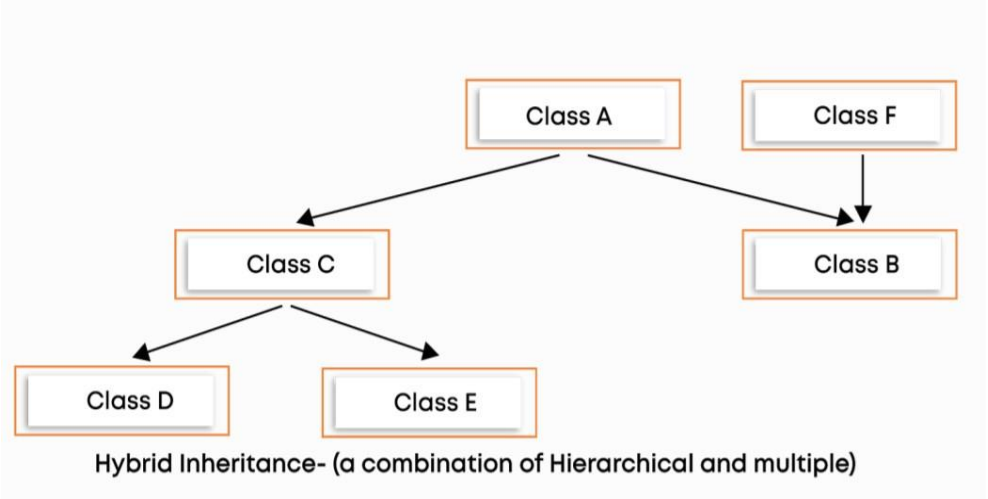
- In hierarchical inheritance, one class is a base class for more than one derivedclass.



Hierarchical Inheritance

5) **Hybrid inheritance**

- Hybrid inheritance is a combination of more than one type of inheritance.
- For example, A child and parent class relationship that follows multiple and hierarchical inheritances can be called hybrid inheritance.



Hybrid Inheritance- (a combination of Hierarchical and multiple)