


INHERITANCE

- Creating A Derived Class From Existing Or Base Class Is Called Inheritance.
- The Existing Class Is Called As **Base Class**
- The New Class Which Is Inherited Is Called **Derived Class**.



FORMS OF INHERITANCE IN C++

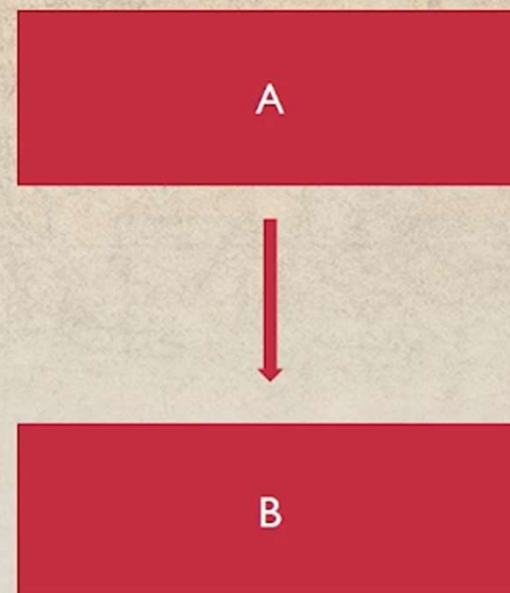
- Single Inheritance
 - Multiple Inheritance
 - Hierarchical Inheritance
 - Multilevel Inheritance
 - Hybrid Inheritance
- 



SINGLE INHERITANCE IN C++

- A derived class with only one Base Class

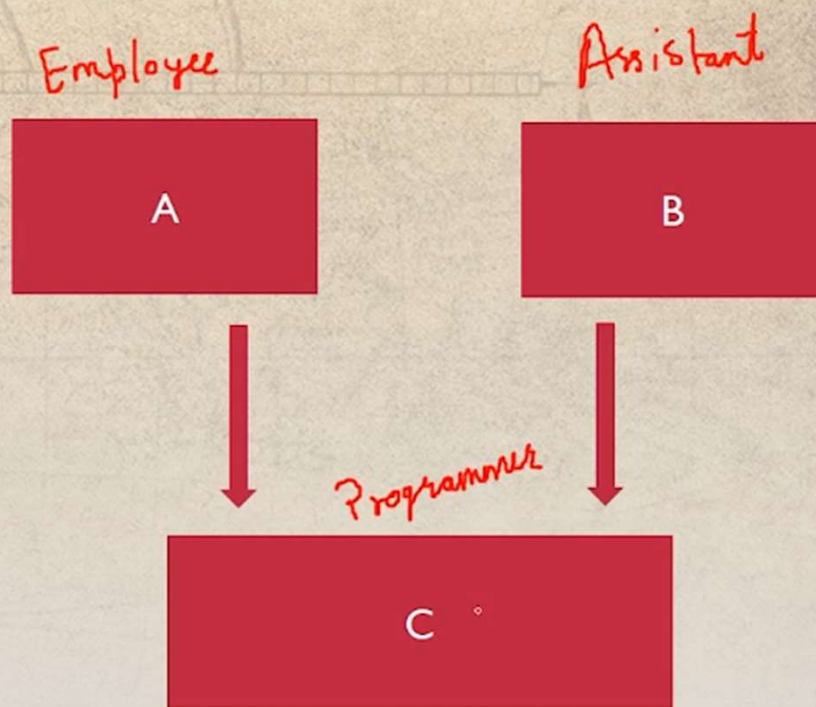
Employee → Programmer





MULTIPLE INHERITANCE IN C++

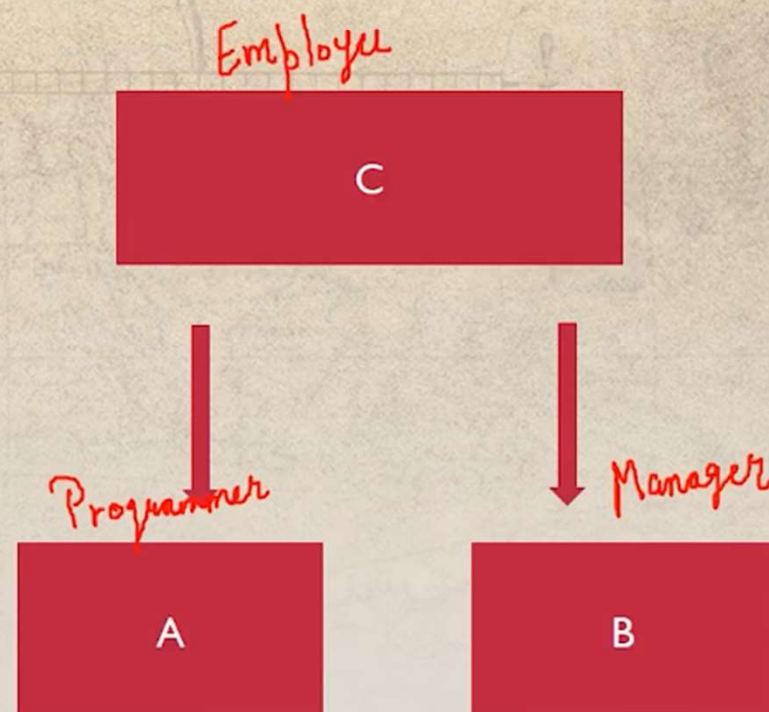
- A derived class with more than one Base class





HIERARCHICAL INHERITANCE IN C++

- Several derived classes from a single base class



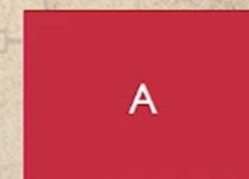


MULTILEVEL INHERITANCE IN C++



- Deriving a class from already derived class

Animal



Mammal



Cow





HYBRID INHERITANCE IN C++



- **Hybrid inheritance** is a combination of multiple **inheritance** and multilevel **inheritance**.
- A class is derived from two classes as in multiple **inheritance**.
- However, one of the parent classes is not a base class.

