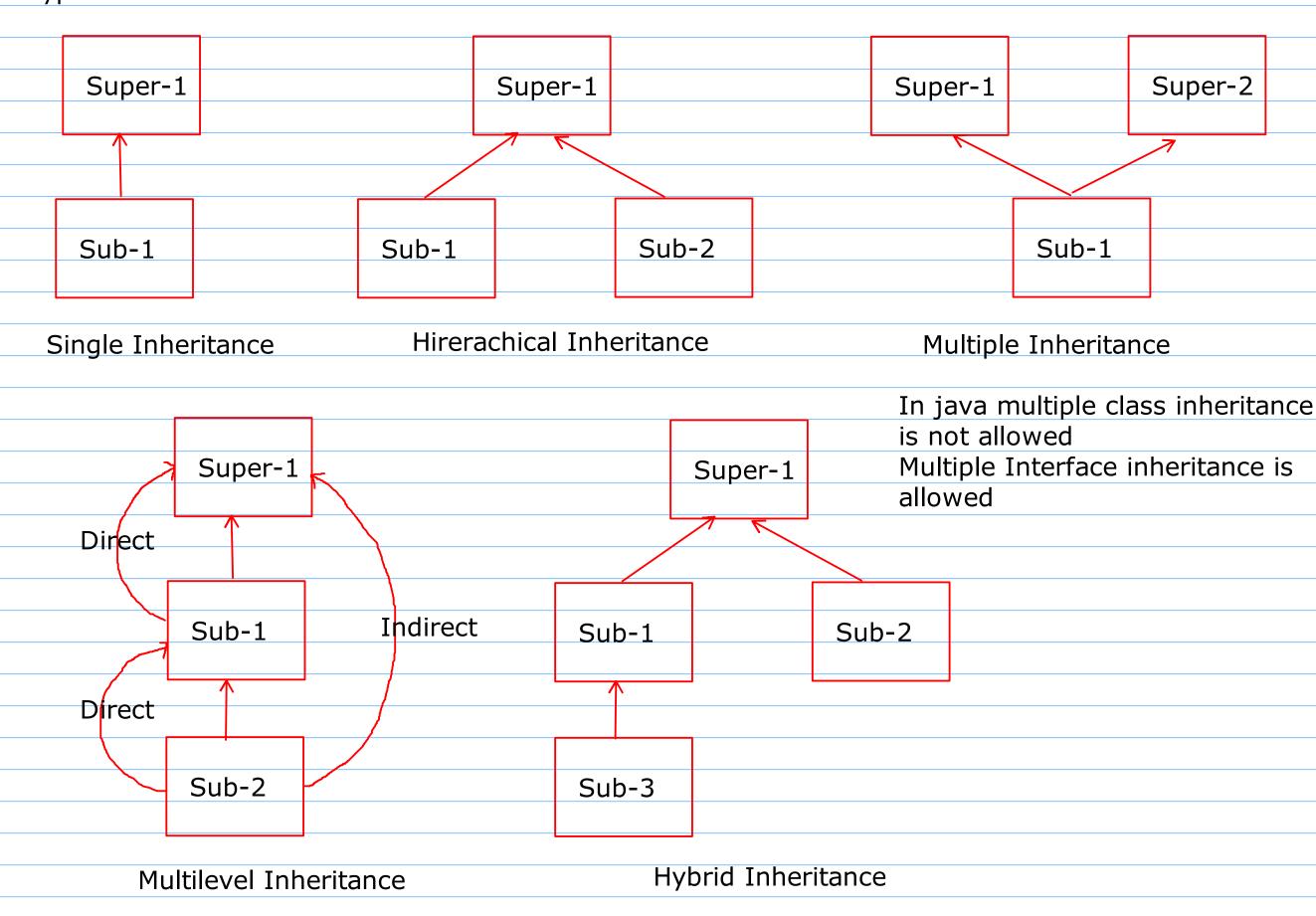


| s-a relationship (inheritance) eg-> Apple is-a Fruit Employee is-a Person Mobile is-a Device | • • • • • • • • • • • • • • • • • • • | dent has-a Dependeny be is-a SuperType |
|--|---------------------------------------|---|
| Car is-a Vehicle | | |
| Bike is-a Vehicle | class Person{ | |
| | String name; | |
| Child is-a Parent | String mobile; | |
| SubType is-a SuperType | } | |
| | | |
| | | |
| | class Employee extends Person{ | class Student{ |
| | int id; | int rollno; |
| | double salary; | double marks; |
| | <u> </u> | } |
| | } | |
| | | |
| e1 | | |
| name | | |
| | | |
| rea hila | | |
| mobile | | |
| | | |
| empid | | |
| СПРИ | | |
| | | |
| salary | | |
| Salai y | | |
| | | |
| new Emp | lovee() | |
| TIEW LITTP | ioycc() | |

Types of Inheritance



Method Overriding

- Why to perform method overriding
- 1. If the implementation of the super class method is partial complete
- 2. If the implementation of the super class method is 100% incomplete
- 3. If the implementation of the sub class method we want totally different from super class method

Rules of Method Overriding

- 1. Name and signature of the method of super class and sub class should be same
- 2. The visibibility modifer should be same or should be wider type
- 3. The return type of sub class method can be same as that of return type of the super class method or ot can be its sub type
- 4. The execption list in the sub class method should be same as that of super class method or it should be its sub set.

