- -> Acquiring the properties of one clan in another class is called as inheritance.
- there property of the class indicates the members of the respective class. Members can be any thing like the data members or member functions.
- Hembers can be accessible based on the access modifier. Privale members oun't be accessible outside of the defined class.
- there the class from which the members should be accessible is basically called as parent/base/super class
- The class which is trying to access the members of the parent class is called as child/sub class
- In case of interitance always the relationship between the parent & child is having "is-4" relationship.

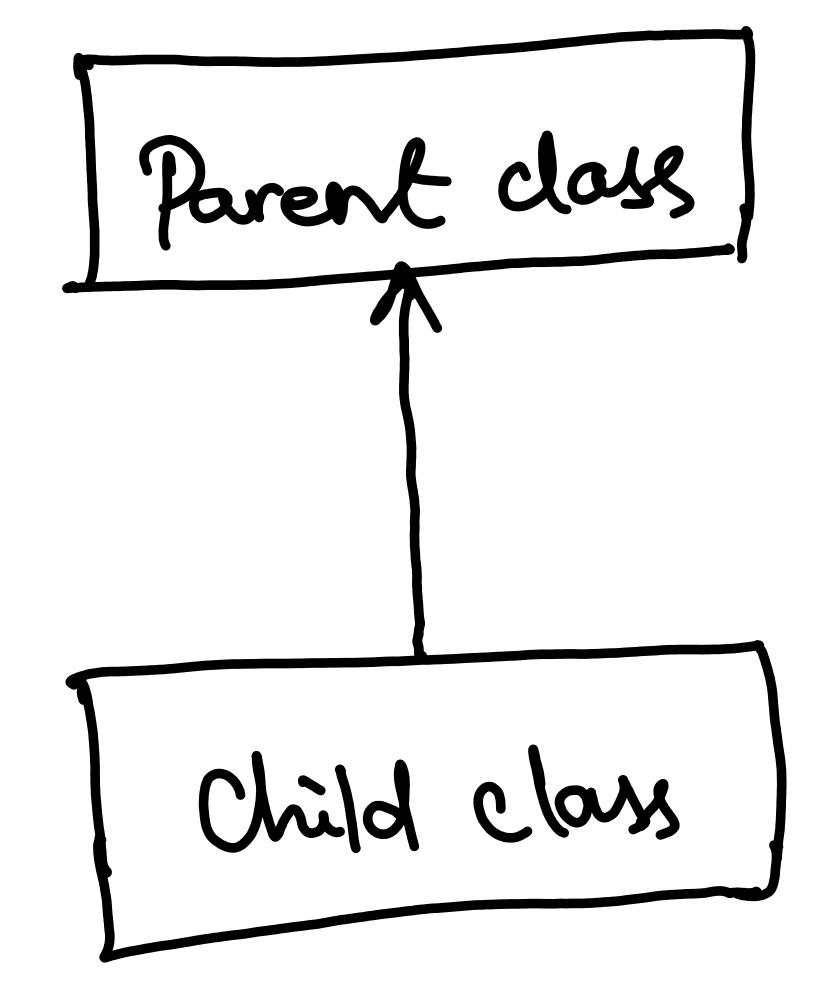
| En: |
|-----|
| |

1. If we consider vehicle is the parent class of car is a vehicle

2. Similarly, Ephone (is a) mobèle child I povent

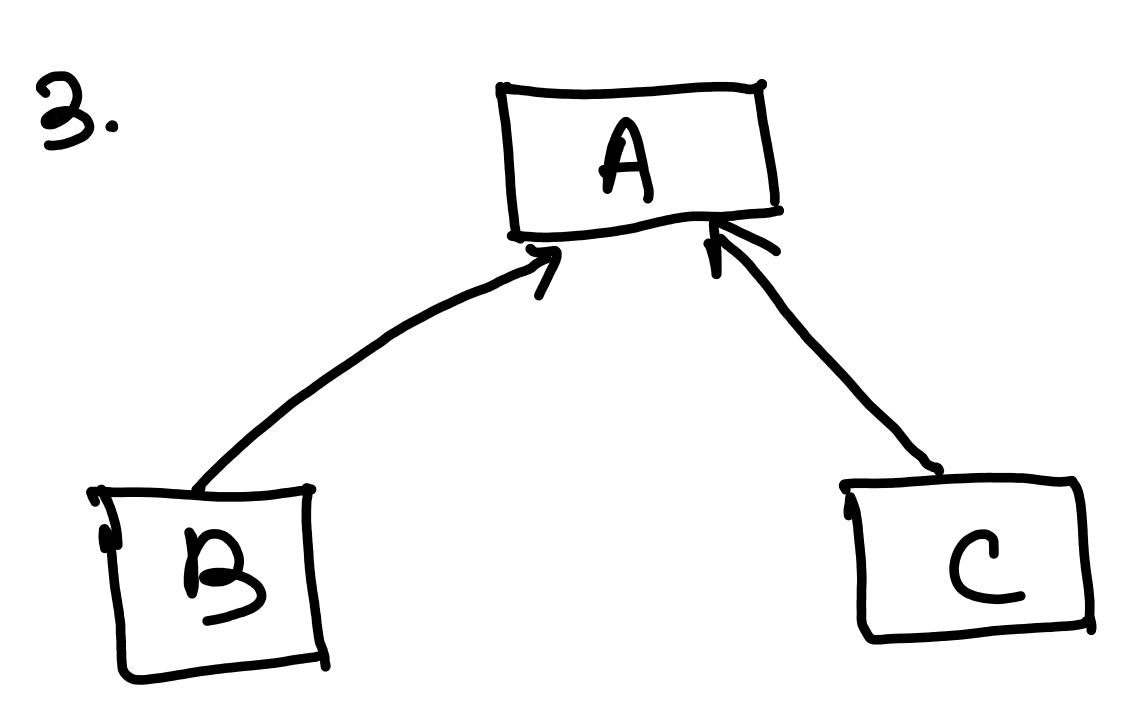
relationship between parent child

In Java class, the parent & child class are denoted objectionatically as below



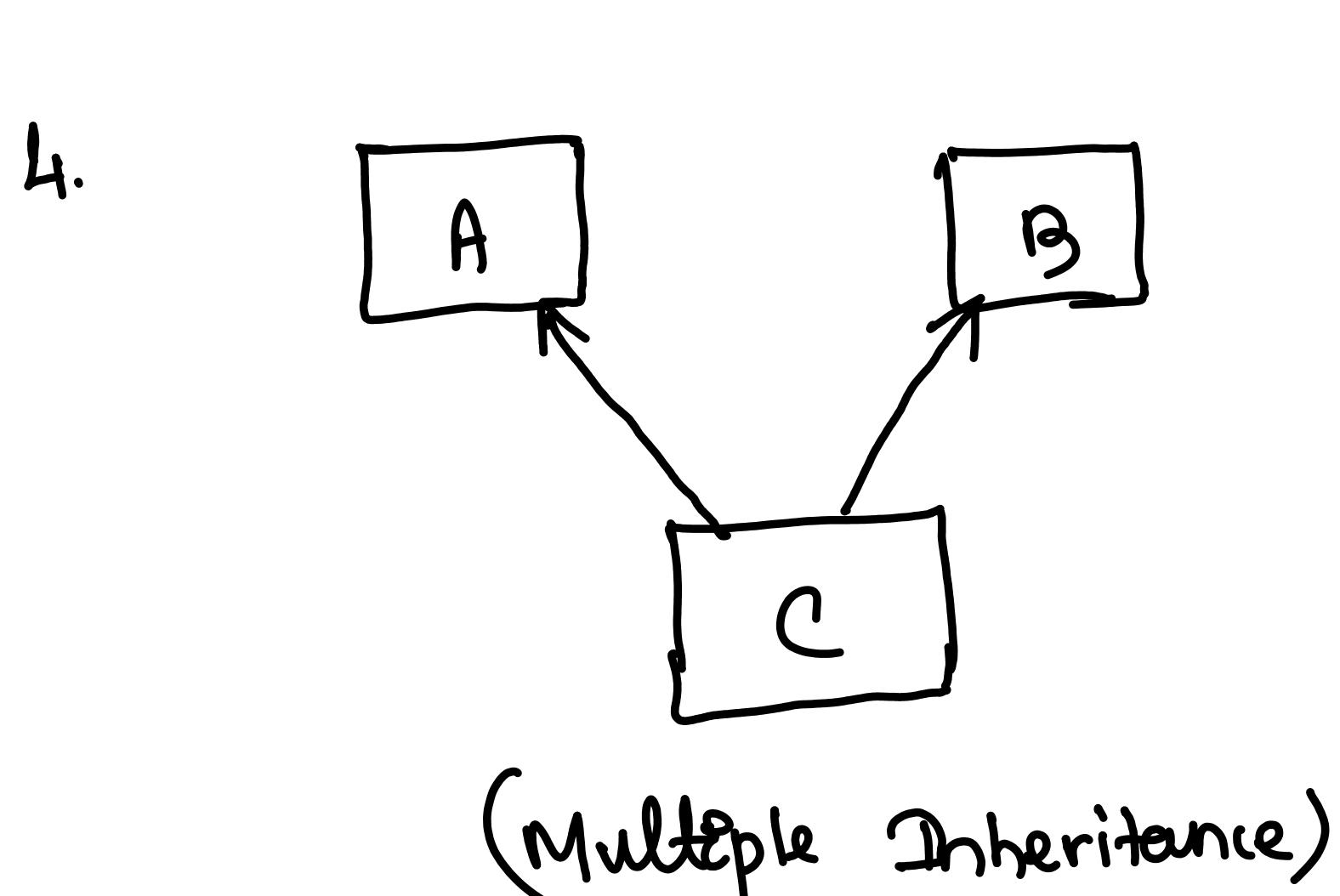
allways the arrow heading towards is treated as parent class of the arrow starts from the child class

| Typ | es of inheriteurce: |
|-----|--|
| | Here class is can access the members of class it |
| | (Single Level Disheritance) |
| 2. | Here class is can access the members of class is can also access the members of class is access the members of class indirectly via classing |
| | (Multi-level In heritance) |



(Hierarchial Inheritance)

Here both clark's & clars c' can access the openhers of clars 'A'



Note:

In Java, anutéple inheritance is supported in classes. If we still want to achieve the same then we've to use the interface concept