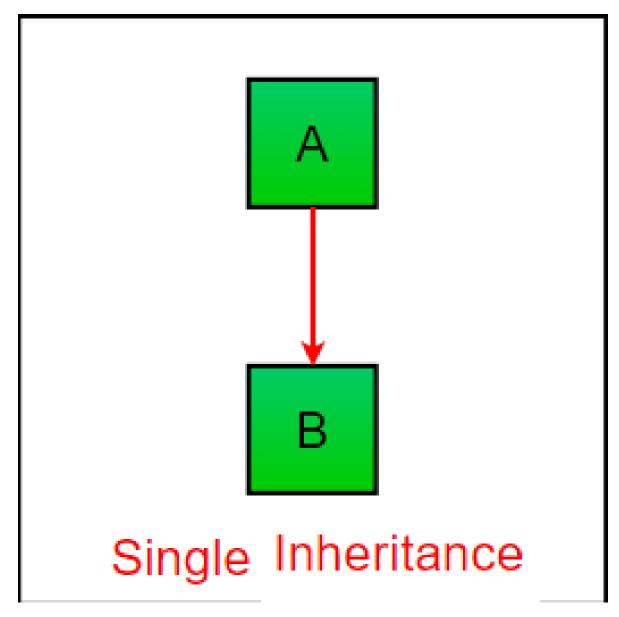
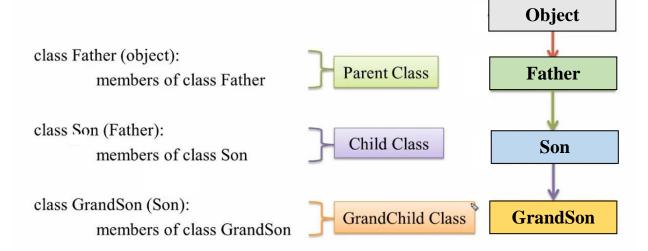
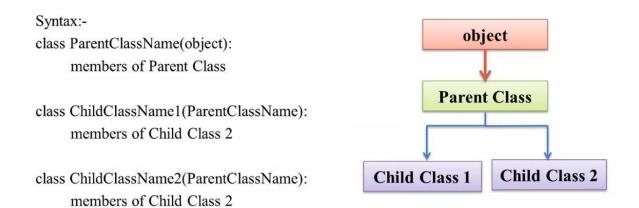
Single Inheritance



Multi-Level Inheritance



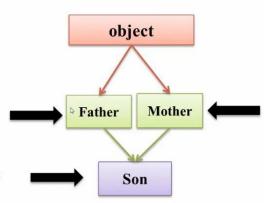
Hierarchical Inheritance



Method Resolution Order (MRO)

s = Son()

- The search will start from Son. As the object of Son is created, the constructor of Son is called.
- Son has super().__init__() inside his constructor so its parent class, the one in the left side 'Father' class's constructor is called.
- Father class also has super().__init__() inside his constructor so its parent 'object' class's constructor is called.
- Object does not have any constructor so the search will continue down to right hand side class (Mother) of object class so Mother class's constructor is called.
- As Mother class also has super().__inti__() so its parent class 'object' constructor is called but as object class already visited, the search will stop here.



Multiple Inheritance

If a class is derived from more than one parent class, then it is called multiple inheritance.

