**Single Level Interferance**

It has one parent and one child class

class Person:

    def \_\_init\_\_(self,name,age):

        self.name=name

        self.age=age

    def display(self):

        print("Name :",self.name)

        print("Age :",self.age)

class student(Person):

    def \_\_init\_\_(self,roll\_no,name,age,per):

        self.roll\_no=roll\_no

        Person.\_\_init\_\_(self,name,age)

        self.per=per

    def display(self)    :

        print("Rollno :",self.roll\_no)

        Person.display(self)

        print("Percentage :",self.per)

s1=student(100,"Sri",22,75)

print("Detais :")

s1.display()

Detais :

Rollno : 100

Name : Sri

Age : 22

Percentage : 75

**Multiple Level Inheritance**

It has more than one class like grandparent(sub class), parent(super class) and child class(sun class)

class Parent:

   def \_\_init\_\_(self,name):

     self.name = name

   def getName(self):

     return self.name

class Child(Parent):

   def \_\_init\_\_(self,name,age):

     Parent.\_\_init\_\_(self,name)

     self.age = age

   def getAge(self):

     return self.age

class Grandchild(Child):

   def \_\_init\_\_(self,name,age,location):

     Child.\_\_init\_\_(self,name,age)

     self.location=location

   def getLocation(self):

     return self.location

gc = Grandchild("Srikanta",24,"Banglore")

print(gc.getName(), gc.getAge(), gc.getLocation())

Srikanta 24 Banglore