**Hierarchical Inheritance**

class student():

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

self.name=name

self.age=age

self.dept=dept

class student1(student):

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

self.name=name

self.age=age

self.dept=dept

class student2(student):

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

self.name=name

self.age=age

self.dept=dept

stu1=student('harshi',19,'AIML')

stu2=student('nikki',18,'AIDS')

print(stu1.dept)

print(stu2.dept)

**OUTPUT:**

AIML

AIDS