#1,

class Camera:

def \_\_init\_\_(self,resolution):

self.resolution=resolution

def display(self):

print("Resolution:",self.resolution)

class Phone:

def \_\_init\_\_(self,phone\_no):

self.phone\_no=phone\_no

def call(self):

print(f"call to {self.phone\_no}")

def sending\_message(self,message):

print(f"sending message from {self.phone\_no} to {message}")

class Smartphone(Camera,Phone):

def \_\_init\_\_(self,resolution,phone\_no,brand,model):

Camera.\_\_init\_\_(self,resolution)

Phone.\_\_init\_\_(self,phone\_no)

self.brand=brand

self.model=model

def dis(self):

self.display()

self.call()

self.sending\_message()

print("Brand:",self.brand,"\n","Model:",self.model)

p=Smartphone("50MP",45487687687,"moto","g34")

p.dis()

#2,

class Student:

def \_\_init\_\_(self,name,course):

self.name=name

self.course=course

def display\_info(self):

print(" Name:",self.name,"\n","Course:",self.course)

class Studentathelete(Student):

def \_\_init\_\_(self,name,course,sports):

Student.\_\_init\_\_(self,name,course)

self.sports=sports

def display(self):

self.display\_info()

print(" Sports:",self.sports)

s=Studentathelete("PRIYA","ai","badminton")

s.display()