```python
#PROBLEM--1
class Camera:
    def __init__(self, quality, resolution):
        self.quality = quality
        self.resolution = resolution

    def cam_info(self):
        print(f"Quality: {self.quality}\nResolution: {self.resolution}")
class Phone:
    def __init__(self, phone_no):
        self.phone_no = phone_no

    def display(self):
        print(f"Phone Number: {self.phone_no}")
class Smartphone(Camera, Phone):
    def __init__(self, quality, resolution, phone_no, model, brand):
        Camera.__init__(self, quality, resolution)
        Phone.__init__(self, phone_no)
        self.model = model
        self.brand = brand

    def show(self):
        self.cam_info()
        self.display()
        print(f"Model: {self.model}\nBrand: {self.brand}")
s = Smartphone("48 MP", "4K", "220838271", "iPhone Pro Max", "Apple")
s.show()


#PROBLEM--2
class Student:
    def __init__(self,name,course):
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```python
        self.name=name
        self.course=course

    def stu_Info(self):
        print("Student Name:",self.name)
        print("Course:",self.course)

class StudentAthelete(Student):
    def __init__(self,name,course,sports):
        Student.__init__(self,name,course)
        self.sports=sports

    def display(self):
        self.stu_Info()
        print("Sports :",self.sports)
s=StudentAthelete("Preethi","Artificial Intelligence","Tennis")
s.display()
```