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#question 1
#Parent class
class Person:
    def __init__(self, name):
        self.name = name

    def show_name(self):
        print(f"Name: {self.name}")

# Child class
class Student(Person):
    def __init__(self, name, student_id):
        super().__init__(name)  # Initialize the parent class
        self.student_id = student_id

    def show_student_id(self):
        print(f"Student ID: {self.student_id}")

# Create an object of the Student class
student = Student("ELAKIYA.K", "E24AI009")

# Display the name and student ID
student.show_name()
student.show_student_id()

#question 2
# Parent class
class Employee:
    def __init__(self, name, salary):
        self.name = name
        self.salary = salary

    def display_details(self):
        print(f"Employee Name: {self.name}")
        print(f"Salary: ${self.salary}")

# Child class
class Manager(Employee):
    def __init__(self, name, salary, department):
        super().__init__(name, salary)  # Initialize attributes from the parent class
        self.department = department

    def display_department(self):
        print(f"Department: {self.department}")
```

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# Create an object of the Manager class
manager = Manager("ELAKIYA.K", 75000, "IT")

# Display all details
manager.display_details()
manager.display_department()
```