

#PROBLEM--1

```
class Person:

    def stu_info(self, name):

        self.name = name


    def show(self):

        print("Name:", self.name)


class Student(Person):

    def stu_id(self, name, student_id):

        self.stu_info(name)

        self.student_id = student_id

    def stu_detail(self):

        self.show()

        print("Student_ID:", self.student_id)

st = Student()

st.stu_id("Lucy", 45363)

st.stu_detail()
```

#PROBLEM--2

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class Employee:

    def emp_details(self,name,salary):

        self.name=name

        self.sal=salary

    def show(self):

        print("Name:", self.name)

        print("Salary:", self.sal)

class Manager(Employee):

    def emp_depmt(self,name,salary,department):
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        self.emp_details(name,salary)

        self.dep=department

def dis_details(self):

    self.show()

    print("Department: ",self.dep)

m=Manager()

m.emp_depmt("Lucy",3000,"AI")

m.dis_details()
```