Lab Session 04

Q1.

INPUT

```
class Person: 3 usages 😃 Usman Rasheed Siddiqui
  self.name = name
  print(f"Name: {self.name}")
class Student(Person): 1 usage ≗ Usman Rasheed Siddiqui
  super().__init__(name)
     self.department = dept
     self.year = year
  super().showName()
     print(f"Department: {self.department}")
     print(f"Year: {self.year}")
class Teacher(Person): 1 usage 😃 Usman Rasheed Siddiqui
  super().__init__(name)
     self.course = course
  super().showName()
     print(f"Course: {self.course}")
p1 = Person("Ali")
p1.showName()
p2 = Student( name: "Usman", dept: "CIS Department", year: 2024)
p2.showName()
p3 = Teacher( name: "Ahmed", course: "Functional English")
p3.showName()
```

OUTPUT

Name: Ali Name: Usman

Department: CIS Department

Year: 2024 Name: Ahmed

Course: Functional English

Q2.

INPUT

OUTPUT

Enter your account no.: 24001 Enter Minimum Balance: 24000 Enter Interest Rate: 500 Account No.: 24001 Minimum Balance: 24000

Minimum Balance: 24000 Interest Rate: 500

Enter your account no.: 24001 Enter Withdrawal Limit: 2000

Account No.: 24001 Withdrawal Amount: 2000

Q3.

INPUT

```
class Employee: 2 usages . Usman Rasheed Siddiqui
   self.employee_id =input("Enter Employee ID: ")
      self.employee_name = input("Enter Employee name: ")
      self.designation = input("Enter designation: ")
   def ShowInfo(self): 2 usages # Usman Rasheed Siddiqui
      print(f"Employee ID: {self.employee_id}")
      print(f"Employee Name: {self.employee_name}")
      print(f"Designation: {self.designation}")
class Manager(Employee): 1 usage ≗ Usman Rasheed Siddiqui
   super().__init__()
      self.manager_performance = input("Enter manager's performance: ")
      self.no_of_teams_managed = int(input("Enter number of teams being managed: "))
   super().ShowInfo()
      print(f"Manager Performance: {self.manager_performance}")
      print(f"No of Teams Being Managed: {self.no_of_teams_managed}")
super().__init__()
      self.teamName = name
      self.timings = timing
   def ShowInfo(self): 1usage ≗ Usman Rasheed Siddiqui
      super().ShowInfo()
      print(f"Team Name: {self.teamName}")
      print(f"Timings: {self.timings} hrs")
c1 = Clerk( timing: 4, name: "Dolphins")
c1.ShowInfo()
c2 = Manager()
c2.ShowInfo()
```

OUTPUT

Enter Employee ID: 24190 Enter Employee name: Ahmed

Enter designation: Software Engineer

Employee ID: 24190 Employee Name: Ahmed

Designation: Software Engineer

Team Name: Dolphins Timings: 4 hrs

Enter Employee ID: 24038
Enter Employee name: Usman

Enter designation: Computer Engineer Enter manager's performance: Brilliαnt Enter number of teams being managed: 4

Employee ID: 24038 Employee Name: Usman

Designation: Computer Engineer Manager Performance: Brilliant No of Teams Being Managed: 4