**PROGRAM:**

**import java.util.Scanner;**

**class Employee{**

**private String name;**

**private int age;**

**private long phnumber;**

**private String address;**

**private double salary;**

**public void setName(String name){**

**this.name=name;**

**}**

**public void setAge(int age){**

**this.age=age;**

**}**

**public void setPhnumber(long phnumber){**

**this.phnumber=phnumber;**

**}**

**public void setAddress(String address){**

**this.address=address;**

**}**

**public void setSalary(double salary){**

**this.salary=salary;**

**}**

**public double printSalary(){**

**Return salary;**

**}**

**public String getAddress(){**

**Return address;**

**}**

**public long getPhnumber(){**

**Return phnumber;**

**}**

**public int getAge(){**

**Return age;**

**}**

**public String getName(){**

**Return name;**

**}**

**}**

**class Officer extends Employee{**

**private String specialization;**

**private String department;**

**public void setSpecialization(String specialization){**

**this.specialization=specialization;**

**}**

**public void setDepartment(String department){**

**this.department= department;**

**}**

**public String getDepartment(){**

**Return department;**

**}**

**public String getSpecialization(){**

**Return specialization;**

**}**

**}**

**class Manager extends Employee{**

**private String specialization;**

**private String department;**

**public void setSpecialization(String specialization){**

**this.specialization=specialization;**

**}**

**public void setDepartment(String department){**

**this.department= department;**

**}**

**public String getDepartment(){**

**Return department;**

**}**

**public String getSpecialization(){**

**Return specialization;**

**}**

**}**

**class officer\_manager{**

**public static void main(String args[]){**

**Scanner sc= new Scanner(System.in);**

**Officer o= new Officer();**

**System.out.println("Enter the officer's Detail");**

**System.out.print("Name:");**

**o.setName(sc.nextLine()); System.out.print("Address:");**

**o.setAddress(sc.nextLine());**

**System.out.print("Specialization:");**

**o.setSpecialization(sc.nextLine());**

**System.out.print("Department:");**

**o.setDepartment(sc.nextLine());**

**System.out.print("Age:");**

**o.setAge(sc.nextInt());**

**System.out.print("Number:");**

**o.setPhnumber(sc.nextLong());**

**System.out.print("Salary:");**

**o.setSalary(sc.nextDouble());**

**sc.nextLine();**

**System.out.println("\nName : "+o.getName());**

**System.out.println("Age : "+o.getAge());**

**System.out.println("Number : "+o.getPhnumber());**

**System.out.println("Address : "+o.getAddress());**

**System.out.println("Salary : "+o.printSalary());**

**System.out.println("Specialization : "+o.getSpecialization());**

**System.out.println("Department : "+o.getDepartment());**

**Manager m= new Manager();**

**System.out.println("\nEnter the manager's Detail");**

**System.out.print("Name:");**

**m.setName(sc.nextLine());**

**System.out.print("Address:");**

**m.setAddress(sc.nextLine());**

**System.out.print("Specialization:");**

**m.setSpecialization(sc.nextLine());**

**System.out.print("Department:");**

**m.setDepartment(sc.nextLine());**

**System.out.print("Age:");**

**m.setAge(sc.nextInt());**

**System.out.print("Number:");**

**m.setPhnumber(sc.nextLong());**

**System.out.print("Salary:");**

**m.setSalary(sc.nextDouble());**

**sc.nextLine();**

**System.out.println("\nThe manager's Detail");**

**System.out.println("Name : "+m.getName());**

**System.out.println("Age : "+m.getAge());**

**System.out.println("Number : "+m.getPhnumber());**

**System.out.println("Address : "+m.getAddress());**

**System.out.println("Salary : "+m.printSalary());**

**System.out.println("Specialization : "+m.getSpecialization());**

**System.out.println("Department : "+m.getDepartment());**

**}**

**}**

**OUTPUT:**

**Enter the officer's Detail**

**Name:Tom**

**Address:Tom Villa,Madrid**

**Specialization:CEH**

**Department:Security Department**

**Age:24**

**Number: 4654512146**

**Salary:50000**

**Name : Tom**

**Age : 24**

**Number : 4654512146**

**Address : Tom Villa,Madrid**

**Salary : 50000.0**

**Specialization : CEH**

**Department : Security Department'**

**Enter the manager's Detail**

**Name:Steve**

**Address:Steve Villa,Barcelona**

**Specialization:CEH**

**Department:Security Department**

**Age:30**

**Number:4862493157**

**Salary:200000**

**The manager's Detail**

**Name : Steve**

**Age : 30**

**Number : 4862493157**

**Address : Steve Villa,Barcelon**

**Salary : 200000.0**

**Specialization : CEH**

**Department : Security Department**