

Enter the officer's Detail
Name:Jobin j
Address:kollam,kerala
Specialization:artificial intelligence
Department:computer science
Age:22
Number:8846537801
Salary:35000
Enter the manager's Detail
Name:Robin v
Address:pathanamthitta,kerala
Specialization:ethical hacking
Department:computer science
Age:28
Number:9955785470
Salary:50000

The officer Detail
Name:Jobin j
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Salary:50000.0
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Department:computer science

```
import java.util.Scanner;
class Employee{
    private String name;
    private int age;
    private long phoneNumber;
    private String address;
    private double salary;
    public void setName(String name){
        this.name = name; }
    public void setAge(int age){
        this.age=age; }
    public void setPhoneNumber(long
        phoneNumber){
        this.phoneNumber = phoneNumber; }
    public void setAddress(String address){
        this.address = address; }
    public void setSalary(double salary){
        this.salary = salary; }
    public double printSalary(){
        return salary; }
    public String getName(){
        return name; }
    public int getAge(){
        return age; }
    public String getAddress(){
        return address; }
    public long getPhoneNumber(){
        return phoneNumber; }
}
```

```
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 TestInheritance{
    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.setPhoneNumber(sc.nextLong());
        System.out.print("Salary:");
        o.setSalary(sc.nextDouble());
        sc.nextLine();
        Manager m = new Manager();
        System.out.println("Enter 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.setPhoneNumber(sc.nextLong());
        System.out.print("Salary:");
        m.setSalary(sc.nextDouble());
        sc.nextLine();
        System.out.println("The officer Detail");
        System.out.println("Name:"+o.getName());
        System.out.println(" Age:"+o.getAge());
        System.out.println("Number:"+
        o.getPhoneNumber());
        System.out.println("Address:"+o.getAddress());
        System.out.println("Salary:"+o.printSalary());
        System.out.println("Specialization:"+
        o.getSpecialization());
        System.out.println("Department:"+o.getDepartment());
        System.out.println("The manager's Detail");
        System.out.println("Name:"+m.getName());
        System.out.println(" Age:"+m.getAge());
        System.out.println("Number:"+m.getPhoneNumber());
        System.out.println("Address:"+m.getAddress());
        System.out.println("Salary:"+m.printSalary());
        System.out.println("Specialization:"+
        m.getSpecialization());
        System.out.println("Department:"+m.getDepartment());
    }
}

```