Q1.

```java
import java.util.Scanner;
class Main {

    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        String title =sc.nextLine();
        String author =sc.nextLine();
        int price = sc.nextInt();

        Book book = new MyBook(title, author, price);
        book.display();
    }
}
abstract class Book {
    String title;
    String author;

    Book(String title, String author) {
        this.title = title;
        this.author = author;
    }

    abstract void display();
}
class MyBook extends Book
{
   int price;
   MyBook(String title,String author,int price)
   {
       super(title,author);
       this.price=price;
   }

   void display()
   {
       System.out.println("Title: "+title);
       System.out.println("Author: "+author);
       System.out.println("Price: "+price);

   }
}
```

Q2.

```java
import java.util.Scanner;

class Vehicle {
    protected String type;

    public Vehicle(String type) {
        this.type = type;
```

```java
    }

    public void displayType() {
        System.out.println("Type: " + type);
    }
}

class Car extends Vehicle {
    private String brand;

    public Car(String type, String brand) {
        super(type);
        this.brand = brand;
    }

    public void displayBrand() {
        System.out.println("Brand: " + brand);
    }
}

public class Main {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);


        String type = scanner.nextLine();


        String brand = scanner.nextLine();

        Car car = new Car(type, brand);


        car.displayType();
        car.displayBrand();

        scanner.close();
    }
}
```

Q3.

```java
import java.util.Scanner;
class Employee
{
    public int empId;
    public float slry;

    public Employee(int empId, float slry)
    {
        this.empId = empId;
        this.slry = slry;
    }
```

```java
    public String toString()
    {
        return (empId + "\n" + slry);
    }
}
class empLevel extends Employee
{
    public int level;
    public empLevel(int empId, float slry)
    {
        super(empId, slry);
        if (slry>100)
            level = 1;
        else
            level = 2;
    }
    public String toString()
    {
        return (super.toString() + "\n" + level);
    }
}
class empMain
{
    public static void main(String args[])
    {
        int emplId;
        float slry;
        Scanner in = new Scanner(System.in);
        emplId = in.nextInt();
        slry = in.nextFloat();
        empLevel el = new empLevel(emplId,slry);
        System.out.println(el.toString());
    }
}
```

Q4.

```java
import java.util.*;
class Account
{
    int acnum;
    int bal;
        Account(int acnum,int bal)
        {
            this.acnum=acnum;
            this.bal=bal;
        }
}
class user extends Account
{
    String name;
    user(int acnum,int bal,String name)
    {
```

```java
        super(acnum,bal);
        this.name=name;
    }
}
class Main{
    public static void main(String[] args)
    {
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        user[] u= new user[n];
        for(int i=0;i<n;i++){
            int acnum=sc.nextInt();
            int bal=sc.nextInt();
            sc.nextLine();
            String un=sc.nextLine();
            u[i] = new user(acnum,bal,un);
        }
        int flag=0;
        int acc=sc.nextInt();
        for(int i=0;i<n;i++)
        {
            if(acc==u[i].acnum)
            {
                flag=1;
                System.out.println(u[i].bal);
                break;
            }
        }
        if(flag==0)
        {
            System.out.println("Account Number does not exist");
        }
    }
}
```

Q5.

```java
import java.util.*;
class Employee{
    private int eId;
    private String eName;
    private int eSalary;
    public static String companyName="ABC Corp";
    public int geteId(){
        return eId;
    }
    public String geteName(){
        return eName;
    }

    public int geteSalary(){
        return eSalary;
    }
```

```java
    public void seteId(int newValue){
        eId = newValue;
    }

    public void seteName(String newValue){
        eName = newValue;
    }

    public void seteSalary(int newValue){
        eSalary = newValue;
    }
}
class Main{
    public static void main(String args[])throws Exception{
        Scanner sc=new Scanner(System.in);
        int n=sc.nextInt();
        Employee[] obj= new Employee[n];
        for(int i=0;i<n;i++){
            obj[i] = new Employee();
        String name=sc.next();
        int id=sc.nextInt();
        int salary=sc.nextInt();
         obj[i].seteName(name);
         obj[i].seteId(id);
         obj[i].seteSalary(salary);
        }
        // Employee.companyName=sc.next();
        for(int i=0;i<n;i++){
         System.out.println("Employee Name: " + obj[i].geteName());
         System.out.println("Employee ID: " + obj[i].geteId());
         System.out.println("Employee Salary: " + obj[i].geteSalary());
         System.out.println("Employee Company Name: " + Employee.companyName);
        }
        Employee.companyName=sc.next();
        System.out.println("Updated Details");
        for(int i=0;i<n;i++){
         System.out.println("Employee Name: " + obj[i].geteName());
         System.out.println("Employee ID: " + obj[i].geteId());
         System.out.println("Employee Salary: " + obj[i].geteSalary());
         System.out.println("Employee Company Name: " + Employee.companyName);
        }

    }
}
```