

1)

```
public class Sample {  
    public static void main(String[] args) {  
  
        Employee em = new Employee();  
        em.setEmployee(1, "Dinesh Kumar");  
        em.getEmployeeDetails();  
  
        HourlyEmployee hem = new HourlyEmployee();  
        hem.setEmployee(2, "Sakravarthy", 18);  
        hem.getEmployeeDetails();  
  
        SalariedEmployee sem = new SalariedEmployee();  
        sem.setEmployee(3, "Sanjay", 200000);  
        sem.getEmployeeDetails();  
  
    }  
}
```

```
class Employee    {  
  
    int id;  
    String name;  
  
    void setEmployee(int id, String name)    {  
        this.id = id;  
        this.name = name;  
    }  
    void getEmployeeDetails()    {  
        System.out.println(id + ". " + name);  
    }  
}
```

```
class HourlyEmployee extends Employee    {  
  
    private int cost;  
  
    void setEmployee(int id, String name, int cost)    {  
        this.id = id;  
        this.name = name;  
        this.cost = cost;  
    }  
}
```

```

        void getEmployeeDetails() {
            System.out.println(id + ". " + name + ". " + "Rate of the employee is " + cost +
"/hr");
        }
    }

class SalariedEmployee extends Employee {

    int salary;

    void setEmployee(int id, String name, int salary) {
        this.id = id;
        this.name = name;
        this.salary = salary;
    }

    void getEmployeeDetails() {
        System.out.println(id + ". " + name + ". " + "Salary of the employee is " + salary);
    }
}

```

2)

```

public class Sample {
    public static void main(String[] args) {
        Vehicle v1 = new Vehicle();
        v1.start();

        Car c1 = new Car();
        c1.stop();

        Truck t1 = new Truck();
        t1.start();
    }
}

class Vehicle {
    public void start() {
        System.out.println("The vehicle is starting");
    }

    public void stop() {
        System.out.println("The vehicle is stopping");
    }
}

```

```

}

class Car extends Vehicle {
    public void start() {
        System.out.println("The car is starting");
    }

    public void stop() {
        System.out.println("The car is stopping");
    }
}

class Truck extends Vehicle {
    public void start() {
        System.out.println("The truck is starting");
    }

    public void stop() {
        System.out.println("The truck is stopping");
    }
}

```

3)

```

public class Sample {
    public static void main(String[] args) {
        Movie mov = new Movie();
        mov.about();

        RomComMovie rc_mov = new RomComMovie();
        rc_mov.about();

        ThrillerMovie t_mov = new ThrillerMovie();
        t_mov.about();

        HorrorMovie h_mov = new HorrorMovie();
        h_mov.about();
    }
}

class Movie {
    public void about() {

```

```
        System.out.println("This is a movie");
    }
}

class RomComMovie extends Movie {
    public void about() {
        System.out.println("This is a romance and comedy movie");
    }
}

class ThrillerMovie extends Movie {
    public void about() {
        System.out.println("This is a thriller movie");
    }
}

class HorrorMovie extends Movie {
    public void about() {
        System.out.println("This is an horror movie");
    }
}
```