

```

package person;

public class InheritanceDemo {
    public static void main(String args[]){
        Person p=new Person();
        p.address="Malabe";
        p.name="saman";

        System.out.println(p.showDetails());

        Student s=new Student();
        s.studentID="IT 123";
        s.name="Piyal";
        s.address="Kaluthara";

        System.out.println(s.showDetails());

        PartTimeStudent ps=new PartTimeStudent();
        ps.name="Kamal";
        ps.address="Ragama";
        ps.studentID="IT456";
        ps.noOfHours=5;

        System.out.println(ps.showDetails());
    }
}

```

```

package person;

public class PartTimeStudent extends Student {

    int noOfHours;

    public String showDetails(){
        return "No of hours:- "+this.noOfHours;
    }
}

```

```

package person;

public class Person {
    String name;
    String address;

    public String showDetails(){
        return "name is "+this.name+"\n address is "+this.address;
    }
}

```

```
package person;

public class Student extends Person {
    String studentID;

    public String showDetails(){
        return "ID is "+this.studentID+"\n";
    }
}
```