```java
//Student.java
Package CIE;

import Java.util.scanner;

public class student {
    protected String usn = new String();
    protected String name = new String ();
    protected int sem;

    public void inputStudentDetails () {
        Scanner Scanner = new Scanner (System.in);
        System.out.print ("Enter USN : ");
        USn = Scanner.next();
        System.out.print ("Enter Name : ");
        name = Scanner.next();
        System.out.print ("Enter Semester: ");
        Sem = Scanner.nextInt();
    }

    public void displayStudentDetails () {
        System.out.println ("USN : " + usn);
        System.out.println ("name : " + name);
        System.out.println ("Semater : " + sem);
    }
}
```

```java
//Internals .java
package CIE ;

import java.util.Scanner;

public class Internals extends Student
{
    protected int marks[] = new int[5];
    public void inputInternals()
    {
        Scanner s= new Scanner (System.in);
        System.out.println("Enter Internals Marks for "+name);
        for (int i=0; i<5; i++)
        {
            System.out.println("Enter the "+(i+1)+" internal marks");
            marks[i] = s.nextInt();
        }
    }
}
```

```java
//Externals .java
package SEE ;

import CIE.Internals;
import java.util.Scanner;

public class Externals extends Internals
{
    protected int marks[];
    protected int finalMarks[];
    public Externals()
    {
        marks = new int[6];
        finalMarks = new int[5];
    }
    public void inputSEEmarks()
    {
        Scanner s= new Scanner (System.in);
        System.out.println("Enter SEE marks for "+name);
        for (int i=0; i<5; i++)
        {
            System.out.print("Subject "+(i+1)+" marks:");
            marks[i] = s.nextInt();
        }
    }
    public void calculateFinalMarks()
    {
        for (int i=0; i<5; i++)
        {
            finalMarks[i] = marks[i] / 2 + super.marks[i];
        }
    }
    public void displayfinalMarks()
    {
        displayStudentDetails();
        for (int i=0; i<5; i++)
        {
            System.out.println("Subject "+(i+1)+": "+ finalMarks[i]);
        }
    }
}
```

```
import SEE.Internals
class Main
{
    public Void main (String args[])
    {
        int numofStudents = 2;
        Enternals finalMarks[] = new Enternals [numofStudents];
        for (int i=0; i<numofStudents; i++)
        {
            finalMarks[i] = new Enternals();
            finalMarks[i].inputStudentDetails();
            System.out.println("enter CIE marks:");
            finalMarks[i].inputCIEmarks();
            System.out.println("enter SEE marks:");
            finalMarks[i].inputSEEmarks();
        }
        System.out.println("displaying data:\n");
        for (int i=0; i<numofStudents; i++)
        {
            finalMarks[i].calculateFinalMarks();
            finalMarks[i].displayFinalMarks();
        }
    }
}
```

Output:

```
Enter USN: 216    Enter name: Rk    Enter Sem: 43
Enter CIE marks
Enter Internal Marks for "Rk"
Subject 1 marks : 45
Subject 2 marks : 46
Subject 3 marks : 47
Subject 4 marks : 48
Subject 5 marks : 60
Enter SEE marks
Subject 1 marks : 90
Subject 2 marks : 92
Subject 3 marks : 95
Subject 4 marks : 98
Subject 5 marks : 100
Enter USN : 218    Enter name : Kohli    Enter Sem : 4
Enter Internal marks for "Kohli" :
Subject 1 marks : 45
Subject 2 marks : 47
Subject 3 marks : 46
Subject 4 marks : 49
Subject 5 marks : 50
Enter SEE marks :
Subject 1 marks : 98
Subject 2 marks : 97
Subject 3 marks : 96
Subject 4 marks : 95
Subject 5 marks : 100
```

USN : 216   name : RK   Semester : 3

Subject 1 : 90

Subject 2 : 92

Subject 3 : 94

Subject 4 : 97

Subject 5 : 100

USN : 218   name : kohli   Semester : 4

Subject 1 : 94

Subject 2 : 95

subject 3 : 96

Subject 4 : 96

subject 5 : 100