

```

2  import CIE.*;
3  import SEE.*;
4  import java.util.Scanner;
5  class StudentDriver{
6      public static void main(String[] args){
7          Scanner sc = new Scanner(System.in);
8          int num,i,j;
9          System.out.print("How many student details do you want to enter: ");
10         num = sc.nextInt();
11         Internals[] in = new Internals[num];
12         Externals[] ex = new Externals[num];
13         System.out.println("Enter the details: ");
14         for(i=0;i<num;i++){
15             String sl,n;
16             int s;
17             int marks1[] = new int[5];
18             int marks2[] = new int[5];
19             System.out.println("---Student "+(i+1)+"---");
20             System.out.print("Enter USN: ");
21             sl = sc.next();
22             System.out.print("Enter Name: ");
23             n = sc.next();
24             System.out.print("Enter Semester: ");
25             s = sc.nextInt();
26             for(j=0;j<5;j++){
27                 System.out.print("Cie marks "+(j+1)+" : ");
28                 marks1[j] = sc.nextInt();
29             }
30             for(j=0;j<5;j++){
31                 System.out.print("See marks "+(j+1)+" : ");
32                 marks2[j] = sc.nextInt();
33             }
34             in[i] = new Internals(sl,n,s,marks1);
35             ex[i] = new Externals(sl,n,s,marks2);
36         }
37         System.out.println("Here are your details: ");
38         for(i=0;i<num;i++){
39             System.out.println("---Student "+(i+1)+"---");
40             in[i].displayStudent();
41             for(j=0;j<5;j++){
42                 System.out.println("marks in subject "+(j+1)+" : "+(in[i].cie_marks[j]+ex[i].see_marks[j]/2));
43             }
44         }
45     }

```

```

1  package CIE;
2  public class Internals extends Student{
3      public int cie_marks[] = new int[5];
4      public Internals(String sl,String n,int s,int marks[]){
5          super(sl,n,s);
6          for(int i=0;i<5;i++){
7              cie_marks[i] = marks[i];
8          }
9      }
10 }

```

```
1 package CIE;
2 public class Student{
3     private String name,usn;
4     private int sem;
5     public Student(String usn,String name,int sem){
6         this.usn = usn;
7         this.name = name;
8         this.sem = sem;
9     }
10    public void displayStudent(){
11        System.out.println("Name: "+name+" USN: "+usn+" Semester: "+sem);
12    }
13 }
```

```
1 package SEE;
2 import CIE.*;
3 public class Externals extends Student{
4     public int see_marks[] = new int[5];
5     public Externals(String sl,String n,int s,int marks[]){
6         super(sl,n,s);
7         for(int i=0;i<5;i++){
8             see_marks[i] = marks[i];
9         }
10    }
11 }
```

Output:

```
Enter the details:
---Student 1---
Enter USN: 12345
Enter Name: medha
Enter Semester: 3
Cie marks 1 : 45
Cie marks 2 : 45
Cie marks 3 : 45
Cie marks 4 : 45
Cie marks 5 : 45
See marks 1 : 90
See marks 2 : 90
See marks 3 : 90
See marks 4 : 90
See marks 5 : 90
---Student 2---
Enter USN: 23456
Enter Name: medha
Enter Semester: 4
Cie marks 1 : 50
Cie marks 2 : 50
Cie marks 3 : 50
Cie marks 4 : 50
Cie marks 5 : 50
See marks 1 : 90
See marks 2 : 90
See marks 3 : 90
See marks 4 : 90
See marks 5 : 90
Here are your details:
---Student 1---
Name: medha USN: 12345 Semester: 3
marks in subject 1 : 90
marks in subject 2 : 90
marks in subject 3 : 90
marks in subject 4 : 90
marks in subject 5 : 90
---Student 2---
Name: medha USN: 23456 Semester: 4
marks in subject 1 : 95
marks in subject 2 : 95
marks in subject 3 : 95
marks in subject 4 : 95
marks in subject 5 : 95
<<< Process finished (PID=2708). (Exit code 0)
===== READY =====
```