```java
package CIE;

public class Student {
    public String usn;
    public String name;
    public int sem;

    public Student() {
    }

    public Student(String usn, String name, int sem) {
        this.usn = usn;
        this.name = name;
        this.sem = sem;
    }
}
```

```java
package CIE;

import java.util.Scanner;

public class Internals extends CIE.Student {
    Scanner s = new Scanner(System.in);
    public int[] cie = new int[5];

    public void get() {
        for (int i = 0; i < 5; i++) {
            System.out.println("ENTER THE CIE MARK IN SUBJECT" + (i + 1));
            cie[i] = s.nextInt();
        }
    }
}
```

```java
package SEE;

import java.util.Scanner;

public class Externals extends CIE.Student {
    public Externals(String usn, String name, int sem) {
        super(usn, name, sem);
    }

    Scanner s = new Scanner(System.in);
    public int[] see = new int[5];

    public void get() {
        for (int i = 0; i < 5; i++) {
            System.out.println("ENTER THE SEE MARK IN SUBJECT" + (i + 1));
            see[i] = s.nextInt();
        }
    }
}
```

```java
import CIE.*;
import SEE.*;
import java.util.Scanner;

class finalmarks {
    Run | Debug
    public static void main(String args[]) {
        Scanner s = new Scanner(System.in);
        System.out.println("ENTER THE NUMBER OF STUDENTS");
        int n = s.nextInt();
        SEE.Externals ob1[] = new SEE.Externals[n];
        CIE.Internals ob[] = new CIE.Internals[n];
        for (int i = 0; i < n; i++) {
            System.out.println("\nENTER THE USN,NAME AND SEMESTER OF STUDENT" + (i + 1));
            String u = s.next();
            String nm = s.next();
            int se = s.nextInt();
            ob1[i] = new SEE.Externals(u, nm, se);

            ob[i] = new CIE.Internals();
            ob[i].get();
            ob1[i].get();
        }
        for (int i = 0; i < n; i++) {
            System.out.println("\nSTUDENT_" + (i + 1));
            System.out.println("name = " + ob1[i].name +"\tusn = " + ob1[i].usn + "\tsem = " + ob1[i].sem);
            for (int j = 0; j < 5; j++) {
                System.out.println("SUBJECT_" + (j + 1) + "_MARKS = " + (ob[i].cie[j] + (ob1[i].see[j])/2));
            }
        }
    }
}
```

```
E:\jdk8\bin>java finalmarks
ENTER THE NUMBER OF STUDENTS
2

ENTER THE USN,NAME AND SEMESTER OF STUDENT1
1bm19cs104 niranjan 3
ENTER THE CIE MARK IN SUBJECT1
45
ENTER THE CIE MARK IN SUBJECT2
43
ENTER THE CIE MARK IN SUBJECT3
34
ENTER THE CIE MARK IN SUBJECT4
21
ENTER THE CIE MARK IN SUBJECT5
40
ENTER THE SEE MARK IN SUBJECT1
78
ENTER THE SEE MARK IN SUBJECT2
98
ENTER THE SEE MARK IN SUBJECT3
87
ENTER THE SEE MARK IN SUBJECT4
67
ENTER THE SEE MARK IN SUBJECT5
67

ENTER THE USN,NAME AND SEMESTER OF STUDENT2
1bm19cs106 nitin 3
ENTER THE CIE MARK IN SUBJECT1
43
ENTER THE CIE MARK IN SUBJECT2
45
ENTER THE CIE MARK IN SUBJECT3
50
ENTER THE CIE MARK IN SUBJECT4
34
ENTER THE CIE MARK IN SUBJECT5
45
ENTER THE SEE MARK IN SUBJECT1
78
ENTER THE SEE MARK IN SUBJECT2
```

```
67

ENTER THE USN,NAME AND SEMESTER OF STUDENT2
1bm19cs106 nitin 3
ENTER THE CIE MARK IN SUBJECT1
43
ENTER THE CIE MARK IN SUBJECT2
45
ENTER THE CIE MARK IN SUBJECT3
50
ENTER THE CIE MARK IN SUBJECT4
34
ENTER THE CIE MARK IN SUBJECT5
45
ENTER THE SEE MARK IN SUBJECT1
78
ENTER THE SEE MARK IN SUBJECT2
98
ENTER THE SEE MARK IN SUBJECT3
87
ENTER THE SEE MARK IN SUBJECT4
67
ENTER THE SEE MARK IN SUBJECT5
56

STUDENT_1
name = niranjan usn = 1bm19cs104        sem = 3
SUBJECT_1_MARKS = 84
SUBJECT_2_MARKS = 92
SUBJECT_3_MARKS = 77
SUBJECT_4_MARKS = 54
SUBJECT_5_MARKS = 73

STUDENT_2
name = nitin    usn = 1bm19cs106        sem = 3
SUBJECT_1_MARKS = 82
SUBJECT_2_MARKS = 94
SUBJECT_3_MARKS = 93
SUBJECT_4_MARKS = 67
SUBJECT_5_MARKS = 73

E:\jdk8\bin>
```