```
public class Student {
    public String usn;
    public String name;
    public int sem;
    public Student(String usn, String name, int sem) {
        this.usn = usn;
        this.name = name;
        this.sem = sem;
package CIE;
public class Internals extends Student {
    public int[] internalMarks;
    public Internals(String usn, String name, int sem, int[] internalMarks) {
        super(usn, name, sem);
        this.internalMarks = internalMarks;
package SEE;
import CIE.Student;
public class External extends Student {
    public int[] seeMarks;
    public External(String usn, String name, int sem, int[] seeMarks) {
        super(usn, name, sem);
        this.seeMarks = seeMarks;
    }
import CIE.Internals;
import SEE.External;
import java.util.Scanner;
```

package CIE;

```
public class FinalMarks {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter number of students: ");
        int n = scanner.nextInt():
        Internals[] internalStudents = new Internals[n];
        External[] externalStudents = new External[n];
        for (int i = 0; i < n; i++) {
            System.out.println("\nEnter details for student " + (i + 1) + ":");
            System.out.print("USN: ");
            String usn = scanner.next();
            System.out.print("Name: ");
            String name = scanner.next();
            System.out.print("Semester: ");
            int sem = scanner.nextInt():
            int[] internalMarks = new int[5];
            System.out.println("Enter internal marks for 5 courses:");
            for (int j = 0; j < 5; j++) {
                internalMarks[j] = scanner.nextInt();
            int[] seeMarks = new int[5];
            System.out.println("Enter SEE marks for 5 courses:");
            for (int j = 0; j < 5; j++) {
                seeMarks[j] = scanner.nextInt();
            }
            internalStudents[i] = new Internals(usn, name, sem, internalMarks);
            externalStudents[i] = new External(usn, name, sem, seeMarks);
        }
```

```
System.out.print("USN: ");
    String usn = scanner.next();
    System.out.print("Name: ");
    String name = scanner.next();
    System.out.print("Semester: ");
    int sem = scanner.nextInt();
    int[] internalMarks = new int[5];
    System.out.println("Enter internal marks for 5 courses:");
    for (int j = 0; j < 5; j++) {
        internalMarks[j] = scanner.nextInt();
    }
    int[] seeMarks = new int[5];
    System.out.println("Enter SEE marks for 5 courses:");
    for (int j = 0; j < 5; j++) {
        seeMarks[j] = scanner.nextInt();
    internalStudents[i] = new Internals(usn, name, sem, internalMarks);
    externalStudents[i] = new External(usn, name, sem, seeMarks);
}
System.out.println("\nFinal Marks of Students:");
for (int i = 0; i < n; i++) {
    System.out.println("\nStudent " + (i + 1) + " - USN: " + internalStudents[i].usn);
    for (int j = 0; j < 5; j++) {
        int finalMark = (internalStudents[i].internalMarks[j] + (externalStudents[i].seeMarks[j]) / 2);
        System.out.println("Course " + (j + 1) + " Final Mark: " + finalMark);
}
scanner.close();
```

```
Enter details for student 1:
USN: 1bm23cs041
Name: annas
Semester: 3
Enter internal marks for 5 courses:
31
32
33
34
35
Enter SEE marks for 5 courses:
71
72
73
74
75
Final Marks of Students:
Student 1 - USN: 1bm23cs041
Course 1 Final Mark: 66
Course 2 Final Mark: 68
Course 3 Final Mark: 69
                                 Course 4 Final Mark: 71
Course 5 Final Mark: 72
```