```
package CIE;

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 {
  public int[] internalMarks = new int[5];

public Internals(int[] marks) {
  for (int i = 0; i < 5; i++) {
    internalMarks[i] = marks[i];
      }
  }
}</pre>
```

```
package SEE;
import CIE.Student;
public class External extends Student {
    public int[] seeMarks = new int[5];
    public External(String usn, String name, int sem, int[] marks) {
        super(usn, name, sem);
        for (int i = 0; i < 5; i++) {
            seeMarks[i] = marks[i];
        }
    }
}
```

```
import CIE.*;
import SEE.External;
import java.util.Scanner;
public class Main {
public static void main(String[] args) {
Scanner sc = new Scanner(System.in);
 System.out.print("Enter the number of students: ");
int n = sc.nextInt();
for (int i = 0; i < n; i++) {
sc.nextLine();
 System.out.print("Enter USN: ");
 String usn = sc.nextLine();
System.out.print("Enter Name: ");
String name = sc.nextLine();
 System.out.print("Enter Semester: ");
int sem = sc.nextInt();
int[] internalMarks = new int[5];
System.out.println("Enter 5 internal marks:");
for (int j = 0; j < 5; j++) {
internalMarks[j] = sc.nextInt();
}
sc.nextLine();
int[] seeMarks = new int[5];
System.out.println("Enter 5 SEE marks:");
for (int j = 0; j < 5; j++) {
seeMarks[j] = sc.nextInt();
sc.nextLine();
Internals internal = new Internals(internalMarks);
External external = new External(usn, name, sem, seeMarks);
 System.out.println("\nFinal Marks for Student: " + name + " (USN: " + usn + ")");
for (int j = 0; j < 5; j++) {
int finalMark = internal.internalMarks[j] + (seeMarks[j] / 2);
 System.out.println("Course " + (j + 1) + ": " + finalMark);
System.out.println();
 sc.close();
```

```
::\Users\Admin\Desktop\Srushti N>javac -d . CIE/Student.java CIE/Internals.java SEE/External.java Main.java
C:\Users\Admin\Desktop\Srushti N>java Main
Enter the number of students: 2
Enter USN: 2021
Enter Name: srushti
Enter Semester: 3
Enter 5 internal marks:
23
23
34
41
54
23
Enter 5 SEE marks:
87
98
70
90
78
Final Marks for Student: srushti (USN: 2021)
Course 1: 66
Course 2: 83
Course 3: 76
Course 4: 99
 Course 5: 62
Enter USN: 202
Enter Name: pallavi
Enter Semester: 3
Enter 5 internal marks:
34
56
23
15
46
Enter 5 SEE marks:
89
90
78
89
90
Final Marks for Student: pallavi (USN: 202)
Course 1: 78
Course 2: 101
Course 3: 62
Course 4: 59
Course 5: 91
```

```
public internals (int () marks)
 for (ent =0; :45; ;++)
    enternalmarks[:] = marks[:];
11 SEE / Externat. java
 Package SEF;
    Concate the for more I service the
public class Exterinal extends students
   public intro see Marks = new int (5);
  public External (String usn, string name, ent sem,
     intra marks) ¿
    Super (usn, name, sem)/;
    for (ent =0; ex5; e++)
    SeeMarks [?] = marks [:];
// Main, java
emport CIE. *;
imposit SEE. External;
em portgava. Util. Lanner;
public class Main (
public Static void main ( Hung 17 angs) {
Scanner sc= new Scanner (System : 37);
Lystem. Out. Porentto ("Enter the number of
   students: ").
int n = 50. next Into;
Por (int :=0; izn; i++){
```

```
Sc. Dextlene();
                    dystem out prently "Enter USN: ");
                    storing usn = sc. nextline();
                    System. out. printly Enter semester: ");
                     int sem = sc. nextinto;
                    enter internal Marks = new inter;
                    System. out, println ("Enter 5 internal marks:");
                    for (:n); =0; j<5; j++){
                     internal Marks (i) = Sc. next Int();
                    S( nextline();
                    int () bee Marks = new ent(5);
                    Dystem. Out. Println ("Fintor 5 SEE Marks:");
ent sem
                    1891 (int ;=0; j<5; j++){
                      seeMarks[;] = Sc. nextInt();
                    5(. next tine();
                    Internals internal = new Internals (internal Marks);
                    External external = new External (USD, name, sem, seemons);
                    Dystem. out. Prentln ("In Fenal Marks for student: "
                      + stame + " (USN: "+USn + ") ";
                     105 ("n+ j=0; j<5; j++)1
                     ant fonal Marks = internal . internal Marks [] +
                    (See Mark 5 (7/2);
                   dystem. out. printin ("(Ousise" + (j+1) +":"+
                          [ nal Mouk);
                    Lystem. Out. prantln();
                    5(, (lose ();
```

Total Comment Management of the	
>(d: (: \05013\Admin\005Klop\54rush+:.N=PAGE NO:	
iavac-d. (IE/Studentiava (IE/Internette	
O/P: SEE/EMEMAL Java Main java	
iavo c atomort savo l. do compete los	
iavac -d. student pava I not the Piles lake to	-11
javac -d. student java J not the files like thes	and line
Enley the number of students : is	0201)
Enter Osn : 2001 Malanas las 1714	67.42
Enter name: Soroshto my more	-donda
Enter semester : 3	II Windershort
Enter 5 enternal marks:	Hismsian
93	100 0
34 (1) (1) (1) (1) (1)	80015
an come com samples comi	
destroy cut, personale ("Finter 5 See Plantes)	
23	30000
Enton 5 SEE Manks : 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3/9010
87	4
98 :000011490 02	
Colonial Lange 70) change for cont : comestar changestar	
Parting of a 90 (1 may) tomated completed towards	
1 - Las 178 rol extract long 1 1 ding 4, too coste of	
Final manks for student: Shusht: (USN: 2011)	
(OUNSE 1 . 66)	Freshor 30
4 1:7 00045 e 2 : 83 00 Fig 3 000 Fig.	
COUNSE: 76 (ATTICATIONS)	a 6005 5
(OUNSE 4: 99: 11)	
(OUMSE 5: 62	
Enter usn: 200: mallang to march	
Enter nome: Pallar:	
Enten semester : 3	
Enter 5 enternal marks:	
34	
	(Js)

93 15 19ke thes and brand 463 to retemposts to the manpoing of stone & storeEnten: 15 . S. E. F. Mark & 18 2100 price to best close colled "Fother" & deep 2 190 seed "500" which extends the base op rotten class mylanism a bastanisty when tokes the age & throws the exceptSo whomas when the go ace < a In son closop on plements Final marks for Student : pallav: (USN: 209) 5'10 B (DONSO 1978) as a const is a son 3'002 COUNSE 3: 1010 28 liter 3/9 10 600 HSB 5: 919 95 1 30 1000 000 00 0000 Super (pressue) 1: class tothere N: 2001) A really against age con place soi tent to tempor , and sondy