

```
Main4.java x
1  import CIE.*;
2  import SEE.*;
3
4  import java.util.Scanner;
5
6  public class Main4 {
7
8      public static void main(String[] args) {
9          Scanner s = new Scanner(System.in);
10         System.out.println("Enter the number of students:");
11         int n = s.nextInt();
12         Externals [] e = new Externals[n];
13         Internals [] i = new Internals[n];
14
15         for(int k=0;k<n;k++)
16         {
17             System.out.println("Enter the details of Student "+(k+1)+" :");
18             System.out.print("Enter usn:");
19             String usn = s.next();
20             System.out.print("Enter name:");
21             String name = s.next();
22             System.out.println("Enter sem:");
23             String sem = s.next();
24             System.out.println();
25             System.out.println("Enter cie marks of each subject:");
26             double [] cie_marks = new double[5];
27             for(int j=1;j<=5;j++)
28             {
29                 System.out.print("Subject "+(j)+" :");
30                 cie_marks[j-1] = s.nextDouble();
31             }
32             System.out.println();
33             System.out.println("Enter see marks of each subject:");
34             double [] see_marks = new double[5];
35             for(int j=1;j<=5;j++)
36             {
```



Main4.java

```
26 double [] cie_marks = new double[5];
27 for(int j=1;j<=5;j++)
28 {
29     System.out.print("Subject "+(j)+":");
30     cie_marks[j-1] = s.nextDouble();
31 }
32 System.out.println();
33 System.out.println("Enter see marks of each subject:");
34 double [] see_marks = new double[5];
35 for(int j=1;j<=5;j++)
36 {
37     System.out.print("Subject "+(j)+":");
38     see_marks[j-1] = s.nextDouble();
39 }
40 System.out.println("-----");
41 e[k] = new Externals(usn,name,sem,see_marks);
42 i[k] = new Internals(usn,name,sem,cie_marks);
43
44 }
45 for(int k=0;k<n;k++)
46 {
47     System.out.println("The final marks of Student "+(k+1)+" in each subject:");
48     for(int j=1;j<=5;j++)
49     {
50
51         System.out.println("Subject " + (k + 1) + ":" + (e[k].getSee_marks()[j-1]/2.0 + i[k].getMarks_cie()[j-1]));
52     }
53     System.out.println();
54 }
55
56
57 }
58 }
```

```
1 package SEE;
2
3 import CIE.Student;
4
5 public class Externals extends Student {
6     double [] see_marks = new double[5];
7
8     public Externals(String usn, String name, String sem, double[] see_marks) {
9         super(usn, name, sem);
10        this.see_marks = see_marks;
11    }
12
13    public double[] getSee_marks() {
14        return see_marks;
15    }
16 }
```

```
1 package CIE;
2
3 public class Internals extends Student {
4     double [] marks_cie = new double[5];
5
6     public Internals(String usn, String name, String sem, double[] marks_cie) {
7         super(usn,name,sem);
8         this.marks_cie = marks_cie;
9     }
10
11     public double[] getMarks_cie() {
12         return marks_cie;
13     }
14 }
15
```



```
1 package CIE;
2
3
4 public class Student {
5     String usn;
6     String name;
7     String sem;
8
9     public Student(String usn, String name, String sem) {
10         this.usn = usn;
11         this.name = name;
12         this.sem = sem;
13     }
14 }
```



Microsoft Windows [Version 10.0.19041.572]

(c) 2020 Microsoft Corporation. All rights reserved.

C:\Users\anant>cd JAVA A

C:\Users\anant\JAVA A>cd JAVA

C:\Users\anant\JAVA A\JAVA>cd CIE

C:\Users\anant\JAVA A\JAVA\CIE>javac Student.java

C:\Users\anant\JAVA A\JAVA\CIE>javac Internals.java

C:\Users\anant\JAVA A\JAVA\CIE>cd..

C:\Users\anant\JAVA A\JAVA>cd SEE

C:\Users\anant\JAVA A\JAVA\SEE>javac Externals.java

Externals.java:3: error: package CIE does not exist  
import CIE.Student;

Externals.java:5: error: cannot find symbol

public class Externals extends Student {

symbol: class Student

2 errors

C:\Users\anant\JAVA A\JAVA\SEE>cd..

C:\Users\anant\JAVA A\JAVA>javac Main4.java

C:\Users\anant\JAVA A\JAVA>java Main4

Enter the number of students:

2

Enter the details of Student 1:

Enter usn:1BM19CS011

Enter name:ANU

Enter sem:

3

Enter cie marks of each subject:

Subject 1:44

Subject 2:33

Subject 3:48

Subject 4:36

Subject 5:29

Enter see marks of each subject:

Subject 1:99

Subject 2:88



Search for anything





Subject 2:33  
Subject 3:48  
Subject 4:36  
Subject 5:29

Enter see marks of each subject:

Subject 1:99  
Subject 2:88  
Subject 3:77  
Subject 4:66  
Subject 5:83

-----  
Enter the details of Student 2:

Enter usn:1BM18EC117  
Enter name:HARIS  
Enter sem:  
5

Enter cie marks of each subject:

Subject 1:44  
Subject 2:48  
Subject 3:47  
Subject 4:39  
Subject 5:36

Enter see marks of each subject:

Subject 1:85  
Subject 2:84  
Subject 3:81  
Subject 4:97  
Subject 5:79

-----  
The final marks of Student 1 in each subject:

Subject 1:93.5  
Subject 1:77.0  
Subject 1:86.5  
Subject 1:69.0  
Subject 1:70.5

The final marks of Student 2 in each subject:

Subject 2:86.5  
Subject 2:90.0  
Subject 2:87.5  
Subject 2:87.5  
Subject 2:75.5

C:\Users\anant\JAVA A\JAVA>

