Packages

```java
import CIE.*;
import SEE.*;
import java.util.Scanner;
public class Main4 {
    public static void main(String []args){
        Scanner S = new Scanner(System.in);
        System.out.println("Enter the number of students:");
        int n = S.nextInt();
        Externals []e = new Externals[n];
        Internals []i = new Internals[n];
        for(int K=0; K<n; K++)
        {
            System.out.println("Enter the details of students"
            + (k+1)+ " :");
            System.out.print("Enter USN:");
            String USN = S.next();
            System.out.print("Enter name:");
            String name = S.next();
            System.out.println("Enter sem:");
            String sem = S.next();
            System.out.println();
            System.out.println("Enter cie marks of each subject:");
            double[] cie_marks = new double[5];
            for(int j=1; j<=5; j++)
            {
                System.out.print("Subject" + (j)+ ":");
                cie_marks[j-1] = S.nextDouble();
            }
            System.out.println("
            _____
            _____");
            e[K] = new Externals(USN, name, sem, see_marks);
            i[K] = new Internals(USN, name, sem, cie_marks);
        }
            for(int K=0; K<n; K++)
            {
```

```java
System.out.println("The final marks of student" +(k+1)+ "in each
subject :");
    for (int j=1; j<=5; j++)
    {
System.out.println("Subject" +(k+1)+ ":" +(e[k].get See - mark()[j-1]/2.0
                    + i[k].getMarks-cie()[j-1]));
    }
    System.out.println();
    }
}
}
```

Packages:-

1)
```java
package CIE;
public class Student {
String usn;
String name;
String sem;
public Student (String usn, String name, String sem) {
this.usn = usn;
this.name = name;
this.sem = sem;
}
}
```

2)
```java
package CIE;
public class Internals extends Student {
double [] marks_cie = new double [5];
public Internals (String usn, String name, String sem,
double [] marks_cie) {
Super (usn, name, sem);
this.marks_cie = marks_cie;
}
public double[] get Marks_cie() {
```

```java
        return marks - cie;
    }
}

package SEE;
import CIE.Student;
public class Externals extends Student {
    double[] se_marks = new double[5];
    public Externals (String usn, String name, String sem,
    double[] see_marks) {
        super (usn, name, sem);
        this.see_marks = see_marks;
    }
    public double[] get_See_marks () {
        return see_marks;
    }
}
```