Student

```java
package CIE;
import java.util.Scanner;
public class Student {
    public String name;
    public String usn;
    public int sem;
    public void display() {
        Scanner s = new Scanner(System.in);
        System.out.println("Name: ");
        name = s.next();
        System.out.println("USN: ");
        usn = s.next();
        System.out.println("Semester: ");
        sem = s.nextInt();
    }
}
```

Internals

```java
package CIE;
import java.util.Scanner;
public class Internals extends Student {
    public double ciem[];
    public void display() {
        ciem = new double[5];
        Scanner t = new Scanner(System.in);
```

```java
        System.out.println("CIE marks for 5 subjects (out
                                of 50): ");
    for (int i=0; i<5; i++)
        ciem[i] = t.nextDouble();
    }
}
```

Externals

```java
package SEE;
import java.util.*;
import CIE.*;
public class Externals extends CIE.Student {
    public double seem[];
    public void display() {
        seem = new double[5];
        Scanner s = new Scanner(System.in);
        System.out.println("SEE marks for 5 subjects
                                (out of 100): ");
        for (int i=0; i<5; i++)
            seem[i] = s.nextDouble();
    }
}
```

Main

```java
import CIE.*;
import SEE.*;
import java.util.Scanner;
public class Main {
    public static void main (String args[]) {
        int n;
        Scanner s=new Scanner (System.in);
        System.out.println("Enter the number of
                            students: ");
        n = s.nextInt();
        CIE.Student st[] = new CIE.Student [n];
        CIE.Internals in[] = new CIE.Internals [n];
        SEE.Externals e[] = new SEE.Externals [n];
        for (int i=0; i<n; i++) {
            st[i] = new CIE.Student();
            in[i] = new CIE.Student(), CIE.Internals();
            e[i] = new SEE.Student(), SEE.Externals();
            st[i].display();
            in[i].display();
            e[i].display();
            System.out.println ("Total marks of student:"
                    + st[i].name+ "in 5 subjects are: "),
            for (int j=0; j<5; j++) {
                System.out.println (in[i].ciem [j] +
                            (e[i].seem[j]/2));
            }
        }
    }
}
```