

```
package CIE;

public class Student {
    public String USN;
    public String name;
    public int sem;

    public Student () {}

    public Student (String usn, String name, int sem) {
        this.usn = usn;
        this.name = name;
        this.sem = sem;
    }
}
```

```
package CIE;
import java.util.Scanner;

public class Internals extends Student {
    Scanner s = new Scanner (System.in);
    public int [] cie = new int [5];

    public void get() {
        for (int i=0; i<5; i++) {
            System.out.println ("Enter CIE marks in subject (out of 50)" + (i+1));
            cie[i] = s.nextInt();
        }
    }
}
```

```

package SEE;
import java.util.Scanner;

public class External extends CIE.Student
{
    public External (String uN, String name, int sem)
    {
        super (uN, name, sem);
    }

    Scanner s = new Scanner (System.in);
    public int [] see = new int [5];
    public void get ()
    {
        for (int i = 0; i < 5; i++)
        {
            System.out.println("Enter the SEE marks in
                                subject (out of 100) " + (i+1));
            see[i] = s.nextInt();
        }
    }
}

```

```

import CIE.*;
import SEE.*;
import java.util.Scanner;

class final marks {
    public static void main (String args[])
    {
        Scanner s = new Scanner (System.in);
        System.out.println("Enter the no. of students");
        int n = s.nextInt();
        SEE.External ob1 [] = new SEE.External[n];
    }
}

```

```

CEE.Internals ob[] = new CEE.Internals[n];
for (int i=0 ; i<n ; i++)
{
    System.out.println("Enter USN, name, sem
                        of student" + (i+1));

    String u = s.next();
    String na = s.next();
    int se = s.nextInt();

    ob[i] = new CEE.Internals();
    ob[i].get();
    ob1[i] = new SEE.Externals();
    ob1.get();
}

for (int i=0 ; i<n ; i++)
{
    System.out.println("Name:" + ob1[i].name +
        " USN: " + ob1[i].USN + "Semester: " + ob1[i].sem);

    System.out.println("The total marks of student"
        + (i+1) + " are ");

    for (int j=0 ; j<5 ; j++)
    {
        System.out.println("Subject " + (j+1) + " = "
            + (ob[i].ie[j] + (ob1[i].see[j]/2)));
    }
}
}
}

```