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

public class Student
{
    String name,usn;
    int sem;
    Scanner xx=new Scanner(System.in);
    public void accept()
    {
        System.out.println("Enter name:");
        name=xx.nextLine();
        System.out.println("Enter usn:");
        usn=xx.next();
        System.out.println("Enter sem:");
        sem=xx.nextInt();
    }
    public void display()
    {
        System.out.println("Name :"+name);
        System.out.println("Usn :"+usn);
        System.out.println("Sem :"+sem);
    }
}
```

```java
package CIE;
import java.util.Scanner;
public class Internals extends CIE.Student
{
    public int ciem[]=new int[5];
    Scanner xx =new Scanner (System.in);
    public void accept()
    {
        for(int i=0;i<5;i++)
        {
            System.out.println("Enter the cie marks of subject"+(i+1)+" out of 50");
            {
                ciem[i]=xx.nextInt();
            }
        }
    }
}
```

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

public class Externals extends CIE.Student
{
    public int seem[]=new int[5];
    Scanner xx =new Scanner (System.in);
    public void accept()
    {
        for(int i=0;i<5;i++)
        {
            System.out.println("Enter the see marks of subject"+(i+1)+" out of 100");
            {
                seem[i]=xx.nextInt();
            }
        }
    }
}
```

File   Edit   Format   View   Help

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

class TotalMarks
{
    public static void main(String sss[])
    {
        int i,j,n;
        int total[]=new int[5];
        Scanner xx=new Scanner(System.in);
        System.out.println("Enter the number of students");
        n=xx.nextInt();
        CIE.Student s[]=new CIE.Student[n];
        CIE.Internals ci[]= new CIE.Internals[n];
            SEE.Externals se[]=new SEE.Externals[n];
        for(i=0;i<n;i++)
        {
            System.out.println("ENTER STUDENT"+(i+1)+" DETAILS");
            s[i]=new CIE.Student();
            s[i].accept();
            ci[i]=new CIE.Internals();
            ci[i].accept();
            se[i]=new SEE.Externals();
            se[i].accept();
        }
        for(i=0;i<n;i++)
        {
            System.out.println("DETAILS OF STUDENT "+(i+1));
            s[i].display();
            for(j=0;j<5;j++)
            {
                total[j]=ci[i].ciem[j]+(se[i].seem[j]/2);
                System.out.println("Total marks in subject"+(j+1)+" is "+total[j]);
            }
        }
    }
}
```

```
Command Prompt                                                    —   □   ✕

C:\Users\Jelani>cd java

C:\Users\Jelani\java>cd oojlab

C:\Users\Jelani\java\oojlab>javac CIE/Student.java

C:\Users\Jelani\java\oojlab>javac CIE/Internals.java

C:\Users\Jelani\java\oojlab>javac SEE/Externals.java

C:\Users\Jelani\java\oojlab>javac TotalMarks.java

C:\Users\Jelani\java\oojlab>java TotalMarks
Enter the number of students
2
ENTER STUDENT1 DETAILS
Enter name:
ubaid
Enter usn:
314
Enter sem:
2
Enter the cie marks of subject1 out of 50
40
Enter the cie marks of subject2 out of 50
41
Enter the cie marks of subject3 out of 50
45
Enter the cie marks of subject4 out of 50
```

```
43
Enter the cie marks of subject5 out of 50
35
Enter the see marks of subject1 out of 100
60
Enter the see marks of subject2 out of 100
70
Enter the see marks of subject3 out of 100
70
Enter the see marks of subject4 out of 100
80
Enter the see marks of subject5 out of 100
78
ENTER STUDENT2 DETAILS
Enter name:
izhan
Enter usn:
332
Enter sem:
1
Enter the cie marks of subject1 out of 50
45
Enter the cie marks of subject2 out of 50
45
Enter the cie marks of subject3 out of 50
34
Enter the cie marks of subject4 out of 50
34
Enter the cie marks of subject5 out of 50
46
```

```
46
Enter the see marks of subject1 out of 100
76
Enter the see marks of subject2 out of 100
67
Enter the see marks of subject3 out of 100
78
Enter the see marks of subject4 out of 100
86
Enter the see marks of subject5 out of 100
79
DETAILS OF STUDENT 1
Name :ubaid
Usn :314
Sem :2
Total marks in subject1 is 70
Total marks in subject2 is 76
Total marks in subject3 is 80
Total marks in subject4 is 83
Total marks in subject5 is 74
DETAILS OF STUDENT 2
Name :izhan
Usn :332
Sem :1
Total marks in subject1 is 83
Total marks in subject2 is 78
Total marks in subject3 is 73
Total marks in subject4 is 77
Total marks in subject5 is 85
```