

```
package CIE;
```

```
import java.util.*;
```

```
public class internals extends student  
{
```

```
    public int a[];
```

```
public void input()
```

```
{
```

```
    Scanner sc=new Scanner(System.in);
```

```
        System.out.println("enter cie marks(5 subjects) out of 50");
```

```
    a=new int[5];
```

```
        for(int i=0;i<5;i++)
```

```
            a[i]=sc.nextInt();
```

```
    }
```

```
}
```

```
package CIE;
```

```
import java.util.*;
```

```
public class student
```

```
{
```

```
    public String usn,name;
```

```
    public int sem;
```

```
    public void inputd()
```

```
{
```

```
    Scanner sc=new Scanner(System.in);
```

```
    System.out.println("enter usn,name,sem");
```

```
    usn=sc.next();
```

```
    name=sc.next();
```

```
    sem=sc.nextInt();
```

```
}
```

```
    public void display()
```

```
{
```

```
        System.out.println("usn="+usn+"  name="+name+"  sem="+sem);
```

```
}
```

```
}
```

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

public class externals extends CIE.student
{
    public int a[];
    public void input()
    {
        Scanner sc=new Scanner(System.in);
        System.out.println("enter see marks(5 subjects) out of 100");
        a=new int[5];
        for(int i=0;i<5;i++)
            a[i]=sc.nextInt();
    }
}
```

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

```
class total
{
```

```
    public static void main(String[] args)
    {
```

```
        Scanner sc=new Scanner(System.in);
        System.out.println("enter number of students ");
        int n=sc.nextInt();
        CIE.internals in[]=new CIE.internals[n];
        SEE.externals ex[]=new SEE.externals[n];
        int total;
        for(int j=0;j<n;j++)
        {
            System.out.println("enter" +(j+1) + "student details:");
            in[j]=new CIE.internals();
            ex[j]=new SEE.externals();
            in[j].inputd();

            in[j].input();
            ex[j].input();
        }

        System.out.println(" ");
        for(int j=0;j<n;j++)
        {
            in[j].display();
            System.out.println("\nstudent " +(j+1) + " total marks:");

            for(int k=0;k<5;k++)
                System.out.println(in[j].a[k]+(ex[j].a[k]/2));
```

```
C:\Users\Hima\Desktop\java\pack>javac internals.java
```

```
C:\Users\Hima\Desktop\java\pack>javac student.java
```

```
C:\Users\Hima\Desktop\java\pack>javac externals.java
```

```
C:\Users\Hima\Desktop\java\pack>javac total.java
```

```
C:\Users\Hima\Desktop\java\pack>java total
```

```
enter number of students
```

```
3
```

```
enter1student details:
```

```
enter usn,name,sem
```

```
12jnvjks himani 3
```

```
enter cie marks(5 subjects) out of 50
```

```
12 34 56 78 90
```

```
enter see marks(5 subjects) out of 100
```

```
90 90 90 90 90
```

```
enter2student details:
```

```
enter usn,name,sem
```

```
sdwbyer64 bora 3
```

```
enter cie marks(5 subjects) out of 50
```

```
12 34 56 78 90
```

```
enter see marks(5 subjects) out of 100
```

```
80 80 80 80 80
```

```
enter3student details:
```

```
enter usn,name,sem
```

```
6gy7 tera 4
```

```
enter cie marks(5 subjects) out of 50
```

```
09 87 65 43 21
```

```
enter see marks(5 subjects) out of 100
```

```
89 89 89 89 89
```

```
usn=12jnvjks name=himani sem=3
```

```
student 1 total marks:
```

```
09 87 65 43 21
enter3student details:
enter usn,name,sem
6gy7 tera 4
enter cie marks(5 subjects) out of 50
09 87 65 43 21
enter see marks(5 subjects) out of 100
89 89 89 89 89
```

```
usn=12jnvjks  name=himani  sem=3
```

```
student 1 total marks:
```

```
57
79
101
123
135
usn=sdwbyer64  name=bora  sem=3
```

```
student 2 total marks:
```

```
52
74
96
118
130
usn=6gy7  name=tera  sem=4
```

```
student 3 total marks:
```

```
53
131
109
87
65
```