```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.Internals();
e[i]=new   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));
}
}
}
}
```

```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();
}
}
```

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

```
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();
}
}
```

```
C:\Users\Lenovo\Desktop\ja>java Main
Enter the number of students:
2
Name:
A
USN:
1
Semester:
3
CIE Marks for 5 subjects(out of 50):
20
30
40
50
60
SEE Marks for 5 subjects(out of 100):
10
70
80
90
100
Total marks of studentA in 5 subjects are:
25.0
65.0
80.0
95.0
110.0
Name:
B
USN:
2
Semester:
4
CIE Marks for 5 subjects(out of 50):
5
49
48
47
46
SEE Marks for 5 subjects(out of 100):
90
92
94
```

```
96
98
Total   marks   of   studentB   in   5   subjects   are:
50.0
95.0
95.0
95.0
95.0

C:\Users\Lenovo\Desktop\ja>
```