

```
1 package CIE;
2 import java.util.Scanner;
3 public class Student
4 {
5     public String name;
6     public String usn;
7     public int sem;
8     public void display()
9     {
10         Scanner s=new Scanner(System.in);
11         System.out.println("Name:");
12         name=s.next();
13         System.out.println("USN:");
14         usn=s.next();
15         System.out.println("Semester:");
16         sem=s.nextInt();
17     }
18 }
```

```
1 package CIE;
2 import java.util.Scanner;
3 public class Internals extends Student
4 {
5     public double ciem[];
6
7     public void display()
8     {
9         ciem=new double[5];
10        Scanner t=new Scanner(System.in);
11        System.out.println("CIE Marks for 5 subjects(out of 50):");
12        for(int i=0;i<5;i++)
13            ciem[i]=t.nextDouble();
14    }
15 }
```

```

1  import CIE.*;
2  import SEE.*;
3  import java.util.Scanner;
4  public class Main
5  {
6      public static void main(String args[])
7      {
8          int n;
9          Scanner s=new Scanner(System.in);
10         System.out.println("Enter the number of students;");
11         n=s.nextInt();
12         CIE.Student st[]=new CIE.Student[n];
13         CIE.Internals in[]=new CIE.Internals[n];
14         SEE.Externals e[]=new SEE.Externals[n];
15         for(int i=0;i<n;i++)
16         {
17             st[i]=new CIE.Student();
18             in[i]=new CIE.Internals();
19             e[i]=new SEE.Externals();
20             st[i].display();
21             in[i].display();
22             e[i].display();
23             System.out.println("Total marks of student "+st[i].name+" in 5 subjects a
24         for(int j=0;j<n;j++)
25         {
26             System.out.println(in[i].ciem[j]+(e[i].seem[j]/10));
27         }
28     }

```

```
1 package SEE;
2 import java.util.*;
3 import CIE.*;
4 public class External extends CIE.Student
5 {
6     public double seem[];
7
8     public void display()
9     {
10         seem=new double[5];
11         Scanner s=new Scanner(System.in);
12         System.out.println("SEE Marks for 5 subjects(out of 100):");
13         for(int i=0;i<5;i++)
14             seem[i]=s.nextDouble();
15     }
16 }
```