1BM19 CS090
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Student. java :

```
package CIE;
public class Student {
public String usn, name;
public int sem;
}
```

Internals. java :

```
package CIE;
public class Internals extends student {
    public int marks [] = new int [5];
}
```

External. java :

```
package SEE;
public class Extend extends CIE student {
    public int marks [] = new int [5];
}
```

Driver Class :

```
import CIE.*;
import SEE.*;
import java.util.Scanner;
public class TotalMarks {
public static void main (String args[])
    {
        Scanner ss = new Scanner (System.in);
        System.out.println(" Enter the number of
                                  Students : ");
        int n = ss.nextInt();
        CIE.Internals m1[] = new CIE.Internals [n];
        SEE.Extend m2[] = new SEE.External [n];
```

```java
for (int i=0; i<n; i++)
{
    m1[i] = new CIE.Internals();
    m2[i] = new SEE.External();
    System.out.println("Enter name of student:");
    m1[i].name = ss.next();
    m2[i].name = m1[i].name;
    for (int j=0; j<5; j++)
    {
        System.out.println("Enter cie marks in Subject
        m1[i].marks[j] = ss.nextInt();                                    G
        System.out.println("Enter see marks in subject
        m2[i].marks[j] = ss.nextInt();                                    +G
    }
}
for (int i=0; i<n; i++)
{
    system.out.println("\n Student "+ (i+1) +"\n Name :"
                          + m1[i].name + "\n\n CIE :");
    for (int j=0; j<5; j++)
        System.out.println(m1[i].marks[j]);
    System.out.println("\n SEE");
    for (int j=0; j<5; j++)
        System.out.println(m2[i].marks[j]);
    System.out.println("\n Final :");
    for (int j=0; j<5; j++)
        System.out.println((m2[i].marks[j]/2)
                            + m1[i].marks[j]);
}
}
```

```
1     package CIE;
2   ⊟public class Student{
3         public String name;
4         public String usn;
5         public int sem;
6   └}
```

```java
1    package CIE;
2    import CIE.*;
3    public class Internals extends CIE.Student{
4        public float c[]=new float[5];
5    }
```

```java
1    package SEE;
2    import CIE.*;
3    public class External extends CIE.Student{
4        public float s[]=new float[5];
5    }
```

```java
1   import CIE.*;
2   import SEE.*;
3   import java.util.Scanner;
4
5   class TotalMarks extends Internals{
6       public static void main(String args[])
7       {
8           CIE.Internals ob1[]=new CIE.Internals();
9           SEE.External ob2[]=new SEE.External();
10          int n;
11          float t[];
12          Scanner ss=new Scanner(System.in);
13          System.out.print("Enter Number of Students:");
14          n=ss.nextInt();
15          CIE.Internals ob1[]=new CIE.Internals[n];
16          SEE.External ob2[]=new SEE.External[n];
17          for(int i=0;i<n;i++)
18          {
19              CIE.Internals ob1[i]=new CIE.Internals();
20              SEE.External ob2[i]=new SEE.External();
21              System.out.print("Enter Details of Student "+(i+1)+", ");
22              System.out.print("Name:");
23              ob1[i].name=ss.next();
24              System.out.print("USN:");
25              ob1[i].usn=ss.next();
26              System.out.print("Sem:");
27              ob1[i].sem=ss.next();
28              System.out.print("CIE Marks(for 50),");
29              for(int j=0;j<5;j++)
30              {
31                  System.out.print("Subject "+(i+1)+".");
32                  ob1[i].c[j]=ss.nextFloat();
33              }
34              System.out.print("SEE Marks(for 100),");
35              for(int j=0;j<5;j++)
36              {
37                  System.out.print("Subject "+(i+1)+".");
38                  ob2[i].s[j]=ss.nextFloat();
39              }
40              System.out.print("Total Marks");
41              for(int i=0;i<5;i++)
42              {
43                  t[i]=(c[i]+s[i]);
```

```
Enter cie marks in subject 2
46
Enter see marks in subject 2
94
Enter cie marks in subject 3
48
Enter see marks in subject 3
96
Enter cie marks in subject 4
48
Enter see marks in subject 4
90
Enter cie marks in subject 5
48
Enter see marks in subject 5
94

Student 1
Name : abc

CIE :
45
46
47
48
49


    SEE
    90
    92
    94
    95
    98


    Final :
    90
    92
    94
    95
    98
```