

```
1 package ciel;  
2  
3 import java.util.Scanner;  
4 public class Student  
5 {  
6     String name;  
7     String USN;  
8     int sem;  
9     public Student()  
10 {  
11     Scanner in = new Scanner(System.in);  
12     System.out.println("Enter name of student");  
13     name = in.nextLine();  
14     System.out.println("Enter USN of student");  
15     USN = in.nextLine();  
16     System.out.println("Enter semester of student");  
17     sem = in.nextInt();  
18  
19 }  
20 }  
21
```

```
1 package cie1;
2 import java.util.Scanner;
3 public class Internals extends Student
4 {
5     public double ciem[]=new double[5];
6     public Internals()
7     {
8         Scanner in = new Scanner(System.in);
9         System.out.println("Enter CIE marks");
10        for(int i=0;i<5;i++)
11        {
12            System.out.println("Enter the Cie marks for subject"+(i+1));
13            ciem[i]=in.nextDouble();
14        }
15    }
16 }
```

```
1 package seel;
2 import java.util.Scanner;
3 public class Externals
4 {
5     public double seem[]=new double[5];
6     public Externals()
7     {
8         Scanner in = new Scanner(System.in);
9         System.out.println("Enter SEE marks");
10        for(int i=0;i<5;i++)
11        {
12            System.out.println("Enter the See marks for subject"+(i+1));
13            seem[i]=in.nextDouble();
14        }
15    }
16 }
```



```

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

```

Administrator: Command Prompt

```
Microsoft Windows [Version 6.3.9600]
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C:\WINDOWS\system32>c:
C:\WINDOWS\system32>cd/
C:\>cd Program Files
C:\Program Files>cd Java
C:\Program Files\Java>cd JDK 8
C:\Program Files\Java\JDK 8>cd bin
C:\Program Files\Java\JDK 8\bin>SET PATH=c:\Program Files\Java\JDK 8\bin
C:\Program Files\Java\JDK 8\bin>cd p
C:\Program Files\Java\JDK 8\bin\p>cd cie1
C:\Program Files\Java\JDK 8\bin\p\cie1>javac Student.java
C:\Program Files\Java\JDK 8\bin\p\cie1>javac Internals.java
```

```

C:\Program Files\Java\JDK 8\bin\p\cie1>cd..
C:\Program Files\Java\JDK 8\bin\p>cd see1
C:\Program Files\Java\JDK 8\bin\p\see1>javac Externals.java
C:\Program Files\Java\JDK 8\bin\p\see1>cd...
C:\Program Files\Java\JDK 8\bin\p\see1>cd..
C:\Program Files\Java\JDK 8\bin\p>javac TotalMarks.java
C:\Program Files\Java\JDK 8\bin\p>java TotalMarks
Enter number of students
2
Details of student1
Enter name of student
ram
Enter USN of student
1BM19CS05
Enter semester of student
3
Enter CIE marks
Enter the Cie marks for subject1
35
Enter the Cie marks for subject2
36
Enter the Cie marks for subject3
37
Enter the Cie marks for subject4
34
Enter the Cie marks for subject5
37
Enter SEE marks
Enter the See marks for subject1
45
Enter the See marks for subject2
35
Enter the See marks for subject3
36
Enter the See marks for subject4
35
Enter the See marks for subject5
36
Total marks in all 5 subjects of student1
Total marks in subject 1:80.0
Total marks in subject 1:71.0
Total marks in subject 1:73.0

```

```

Enter the Cie marks for subject1
34
Enter the Cie marks for subject5
37
Enter SEE marks
Enter the See marks for subject1
45
Enter the See marks for subject2
35
Enter the See marks for subject3
36
Enter the See marks for subject4
35
Enter the See marks for subject5
36
Total marks in all 5 subjects of student1
Total marks in subject 1:80.0
Total marks in subject 1:71.0
Total marks in subject 1:73.0
Total marks in subject 1:69.0
Total marks in subject 1:73.0
Details of student2
Enter name of student
RAJ
Enter USN of student
1BM19CS09
Enter semester of student
4
Enter CIE marks
Enter the Cie marks for subject1
35
Enter the Cie marks for subject2
36
Enter the Cie marks for subject3
35
Enter the Cie marks for subject4
45
Enter the Cie marks for subject5
46
Enter SEE marks
Enter the See marks for subject1
34
Enter the See marks for subject2
34
Enter the See marks for subject3
45
Enter the See marks for subject4
45
Enter the See marks for subject5
46
Total marks in all 5 subjects of student2
Total marks in subject 2:69.0
Total marks in subject 2:70.0
Total marks in subject 2:80.0
Total marks in subject 2:90.0
Total marks in subject 2:92.0

```