

C:\Users\Apyy\Desktop>java lab\lab6>CIE> Student.java

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

```
C:\Users\Apyy\Desktop\java lab\lab6>java Finalmarks
enter the no. of students:
3
Name:
a
USN:
1bm1
Semester:
3
CIE marks(out of 50) for subject1:
45
CIE marks(out of 50) for subject2:
45
CIE marks(out of 50) for subject3:
45
CIE marks(out of 50) for subject4:
45
CIE marks(out of 50) for subject5:
45
SEE marks(out of 100) for subject1:
90
SEE marks(out of 100) for subject2:
90
SEE marks(out of 100) for subject3:
90
SEE marks(out of 100) for subject4:
90
SEE marks(out of 100) for subject5:
90
Total marks of student a in 5 subjects are :
90.0
90.0
90.0
90.0
90.0
Name:
b
USN:
1bm2
Semester:
5
CIE marks(out of 50) for subject1:
40
```

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C:\Users> Appy > Desktop > java lab > lab6 > CIE > Internals.java

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

```
CIE marks(out of 50) for subject2:
40
CIE marks(out of 50) for subject3:
40
CIE marks(out of 50) for subject4:
40
CIE marks(out of 50) for subject5:
40
SEE marks(out of 100) for subject1:
95
SEE marks(out of 100) for subject2:
97
SEE marks(out of 100) for subject3:
99
SEE marks(out of 100) for subject4:
98.5
SEE marks(out of 100) for subject5:
90
Total marks of student b in 5 subjects are :
87.5
88.5
89.5
89.25
85.0
Name:
c
USN:
1bm3
Semester:
7
CIE marks(out of 50) for subject1:
35
CIE marks(out of 50) for subject2:
36
CIE marks(out of 50) for subject3:
37
CIE marks(out of 50) for subject4:
38
CIE marks(out of 50) for subject5:
39
SEE marks(out of 100) for subject1:
78
SEE marks(out of 100) for subject2:
```

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Welcome Student.java Internals.java Externals.java X Finalmarks.java

C:\Users> Appy > Desktop > java lab > lab6 > SEE > Externals.java

```
1 package SEE;
2 import java.util.Scanner;
3 import CIE.*;
4 public class Externals extends CIE.Student{
5     public double see[];
6     public void Display(){
7         see = new double[5];
8         Scanner sc = new Scanner(System.in);
9         for(int i=0;i<5;i++){
10             System.out.println("SEE marks(out of 100) for subject"+(i+1)+":");
11             see[i]= sc.nextDouble();
12         }
13     }
14 }
```

```
C
USN:
1bm3
Semester:
7
CIE marks(out of 50) for subject1:
35
CIE marks(out of 50) for subject2:
36
CIE marks(out of 50) for subject3:
37
CIE marks(out of 50) for subject4:
38
CIE marks(out of 50) for subject5:
39
SEE marks(out of 100) for subject1:
78
SEE marks(out of 100) for subject2:
79
SEE marks(out of 100) for subject3:
76
SEE marks(out of 100) for subject4:
75
SEE marks(out of 100) for subject5:
72
Total marks of student c in 5 subjects are :
74.0
75.5
75.0
75.5
75.0
```

C:\Users\Appy\Desktop\java lab\lab6>

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7 ?

Recommendations

a P

14:45

17-11-2020



Welcome

Student.java

Internals.java

Externals.java

Finalmarks.java X



C:\Users> Appy > Desktop > java lab > lab6 > Finalmarks.java

```
1  import CIE.*;
2  import SEE.*;
3  import java.util.*;
4  public class Finalmarks {
5      public static void main(String args[]){
6          int n;
7          Scanner sc = new Scanner(System.in);
8          System.out.println("enter the no. of students:");
9          n = sc.nextInt();
10         CIE.Student S[] = new CIE.Student[n];
11         CIE.Internals I[] = new CIE.Internals[n];
12         SEE.Externals E[] = new SEE.Externals[n];
13         for(int i=0;i<n;i++){
14             S[i] = new CIE.Student();
15             I[i] = new CIE.Internals();
16             E[i] = new SEE.Externals();
17             S[i].Display();
18             I[i].Display();
19             E[i].Display();
20             System.out.println("Total marks of student\t"+S[i].name+"\tin 5 subjects are :");
21             for(int j=0;j<5;j++){
22                 System.out.println((I[i].cie[j])+(E[i].see[j]/2));
23             }
24         }
25     }
26 }
27
```



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