

lab prog 6

outputs:

```
Externals.java x
1
2
3
4 package SEE;
5
6 import CIE.*;
7 import java.util.*;
8
9
10 public class Externals extends CIE.Student
11 {
12     public double marks2[]=new double[5];
13     Scanner sc=new Scanner(System.in);
14     public void accept3()
15     {
16         System.out.println("enter the externals marks in 5 sub");
17         for(int i=0;i<5;i++)
18         {
19             System.out.println("enter marks in sub "+(i+1));
20             marks2[i]=sc.nextDouble();
21             marks2[i]=marks2[i]/2;
22         }
23     }
24
25 }
```

```
Internals.java x
1 package CIE;
2 import java.util.*;
3
4 public class Internals
5 {
6     public double marks1[]=new double[5];
7     Scanner sc=new Scanner(System.in);
8     public void accept1()
9     {
10         System.out.println("enter the internals marks in 5 sub");
11         for(int i=0;i<5;i++)
12         {
13             System.out.println("enter marks in sub "+(i+1));
14             marks1[i]=sc.nextDouble();
15         }
16     }
17 }
18
```

```

Student.java
1 package CIE;
2 import java.util.*;
3
4 public class Student
5 {
6     public String usn;
7     public String name;
8     public int sem;
9     public double total[]=new double[5];
10    Scanner sc=new Scanner(System.in);
11    public void accept2(int a)
12    {
13        System.out.println("enter the name of student "+a);
14        name=sc.next();
15        System.out.println("enter the usn of student "+a);
16        usn=sc.next();
17        System.out.println("enter the sem of student "+a);
18        sem=sc.nextInt();
19    }
20    public void display(int a1)
21    {
22        System.out.println("-----details of student "+a1+" -----");
23        System.out.println("name:"+name);
24        System.out.println("usn:"+usn);
25        System.out.println("sem:"+sem);
26        for(int i=0;i<5;i++)
27            System.out.println("total marks in sub "+(i+1)+": "+total[i]);
28
29    }
30 }
31
32 }

```

```

Main1.java
1 import CIE.*;
2 import SEE.*;
3 import java.util.*;
4
5 class Main1
6 {
7     public static void main(String args[])
8     {
9         //CIE.Student s[];
10        //double total[]=new double[5];
11        SEE.Externals s2[];
12        CIE.Internals s1[];
13        int n;
14        System.out.println("enter the no of students");
15        Scanner sc=new Scanner(System.in);
16        n=sc.nextInt();
17        s2=new SEE.Externals[n];
18        s1=new CIE.Internals[n];
19
20        for(int i=0;i<n;i++)
21        {
22            //s[i]=new CIE.Student();
23            s1[i]=new CIE.Internals();
24            s2[i]=new SEE.Externals();
25
26            s2[i].accept2(i+1);
27            s1[i].accept1();
28            s2[i].accept3();
29            for(int j=0;j<5;j++)
30                s2[i].total[j]=s1[i].marks1[j] + s2[i].marks2[j];
31        }
32        for(int i=0;i<n;i++)
33            s2[i].display(i+1);
34        }
35    }

```

1. CIE/OT

```
[Arvinds-MacBook-Pro:packages Arvind$ javac CIE/Student.java
[Arvinds-MacBook-Pro:packages Arvind$ javac CIE/Internals.java
[Arvinds-MacBook-Pro:packages Arvind$ javac SEE/Externals.java
[Arvinds-MacBook-Pro:packages Arvind$ javac Main1.java
[Arvinds-MacBook-Pro:packages Arvind$ java Main1
```

```
enter the no of students
2
enter the name of student 1
aaa
enter the usn of student 1
1bm19cs02
enter the sem of student 1
3
enter the internals marks in 5 sub
enter marks in sub 1
45
enter marks in sub 2
50
enter marks in sub 3
45
enter marks in sub 4
50
enter marks in sub 5
45
enter the externals marks in 5 sub
enter marks in sub 1
100
enter marks in sub 2
90
enter marks in sub 3
100
enter marks in sub 4
90
enter marks in sub 5
100
enter the name of student 2
bbb
enter the usn of student 2
1bm19cs03
enter the sem of student 2
3
enter the internals marks in 5 sub
enter marks in sub 1
45
enter marks in sub 2
45
enter marks in sub 3
45
enter marks in sub 4
46
enter marks in sub 5
45
enter the externals marks in 5 sub
enter marks in sub 1
100
enter marks in sub 2
100
enter marks in sub 3
100
enter marks in sub 4
90
```

```
-----details of student 1 -----
name:aaa
usn:1bm19cs02
sem:3
total marks in sub 1:95.0
total marks in sub 2:95.0
total marks in sub 3:95.0
total marks in sub 4:95.0
total marks in sub 5:95.0
-----details of student 2 -----
name:bbb
usn:1bm19cs03
sem:3
total marks in sub 1:95.0
total marks in sub 2:95.0
total marks in sub 3:95.0
total marks in sub 4:91.0
total marks in sub 5:90.0
Arvinds-MacBook-Pro:packages Arvind$ █
```

files saving format:

