USN:1BM19CS216

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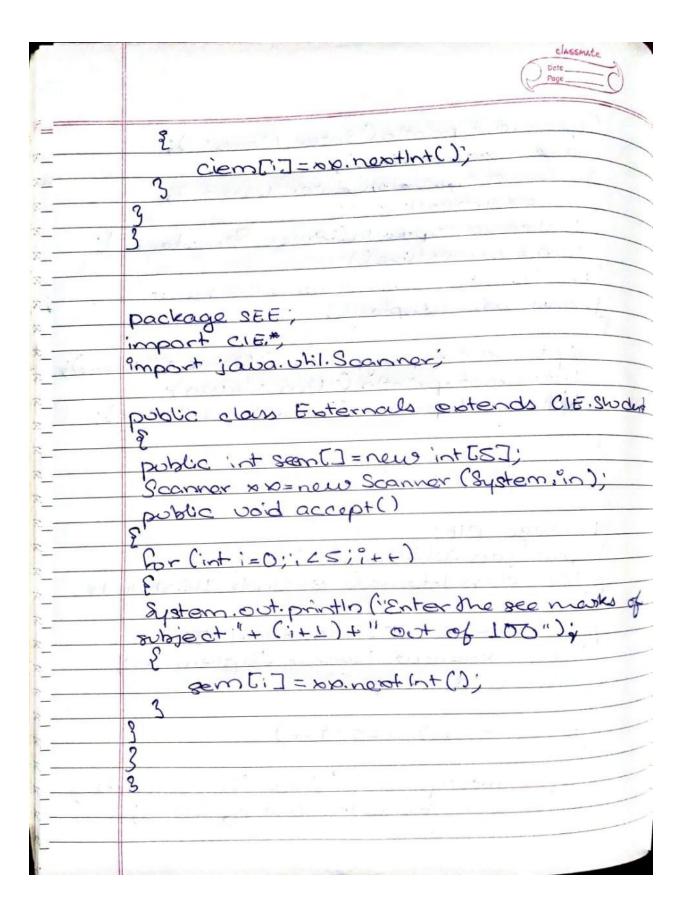
Week 9-Lab Program 6

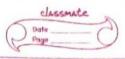
Create a package CIE which has two classes- Student and Internals. The class Personal has members like usn, name, sem. The class Internals has an array that stores the internal marks scored in five courses of the current semester of the student. Create another package SEE which has the class External which is a derived class of Student. This class has an array that stores the SEE marks scored in five courses of the current semester of the student. Import the two packages in a file that declares the final marks of n students in all five courses.

program:



	Date Page
	System. out. println ("Enter Name: ");
	name = xx. nextline();
	System.out.println ("Enter USN:");
	usn = xx. nextine();
	System. out. println ("Enter Semester 8");
	Sem = px.neptue();
	2
	public void display()
	€'
	System.out. display println ("Name: "+name);
	Systemout. println ("Usn:"+ usn);
	System.out, println ("semester: "+ sem);
	3
	3 Contract Comment of the state of
	Challeng will be a fell out a service and
	Degrada herre did a
	package CIE;
	import java. Uhl. Scanner;
	public class Internals extends CIE. Students
4	E was to the second of the sec
	public int cent] = new int[s];
	Scanner xx=new Scanner (System.in);
	public usid accept ()
	public void accept ()
	For (int i=0; i <5; 1++)
	5
	System out windly ("Enter The cie marks of
	Subject "+ (i+1)+" out of 50");
	50.350





```
import CIE. x;
import SEE. >;
import jana whit;
class Total marks.
public static void main (String ses [])
  int 1, 9, 0;
  int botal [] = new int [5];
  System. out. println ("Enter one number of
        shodents");
   n = xx. nextint();
   CIE. Shodert SI] = new CIE. Shodent [n];
  CIG. Internals CIEJ=new CIE. Internals [7]
  SEE. Externals set ) = new SEE Fotomals [7];
 For ( =0; Kn; 1++)
    System out println ("Enter Student"+(i+1)+"
   details");
     Stil= new CIE. Swdent ();
    Stil = accept();
     Ci [:]=new CIE.Internals();
    C' [i] , accept();
    se til= new SEE. Externals ();
   se [i]. accept()
    For ( = 0; 140; 1++)
```

	Classmate Dete
=	2
	System out print In ("Details of Student")
	& Ci J. display ();
11	Systemat.println ("Total marks in subject" 3 (j+1)" is " total (j);
	3 (j+1)+ is " total (j);
11	3
Sur F	3
	3
	· Climites I. xx = .q
	Conduction Control of the Control of
	weet of the to the sent of the secretary
	Latter & Color Brown Stand
	at the world me through a continuous of the same

```
import java.util.Scanner;

public class Student
{
    String name, usn;
    int sem;
    Scanner xx=new Scanner(System.in);
    public void accept()
    {
        System.out.println("Enter Name:");
        name=xx.nextLine();
        System.out.println("Enter USN:");
        usn=xx.next();
        System.out.println("Enter Semester:");
        sem=xx.nextInt();
    }
    public void display()
    {
        System.out.println("Name :"+name);
        System.out.println("Usn :"+usn);
        System.out.println("Semester :"+sem);
    }
}
```

```
package CIE;
import java.util.Scanner;
public class Internals extends CIE.Student
{
    public int ciem[]=new int[5];
    Scanner xx =new Scanner (System.in);
    public void accept()
    {
        for(int i=0;i<5;i++)
        {
            System.out.println("Enter the cie marks of subject"+(i+1)+"
        out of 50");
        {
                ciem[i]=xx.nextInt();
        }
}</pre>
```

```
}
}
```

```
import CIE.*;
import SEE.*;
import java.util.*;

class TotalMarks
{
    public static void main(String sss[])
    {
        int i,j,n;
        int total[]=new int[5];
```

```
Scanner xx=new Scanner(System.in);
       System.out.println("Enter the number of students");
       n=xx.nextInt();
       CIE.Student s[]=new CIE.Student[n];
       CIE.Internals ci[] = new CIE.Internals[n];
       SEE.Externals se[]=new SEE.Externals[n];
       for(i=0;i<n;i++)
           System.out.println("ENTER STUDENT"+(i+1)+" DETAILS");
           s[i]=new CIE.Student();
           s[i].accept();
           ci[i]=new CIE.Internals();
           ci[i].accept();
           se[i].accept();
       for(i=0;i<n;i++)
           System.out.println("DETAILS OF STUDENT "+(i+1));
           s[i].display();
           for(j=0;j<5;j++)
                total[j]=ci[i].ciem[j]+(se[i].seem[j]/2);
               System.out.println("Total marks in subject"+(j+1)+" is
"+total[j]);
```

OUTPUT:

```
C:\Users\yrlsh\Desktop\OOJLAB>java TotalMarks
Enter the number of students
ENTER STUDENT1 DETAILS
Enter Name:
Yashh
Enter USN:
123456
 nter Semester:
Enter the cie marks of subject1 out of 50
Enter the cie marks of subject2 out of 50
Enter the cie marks of subject3 out of 50
Enter the cie marks of subject4 out of 50
Enter the cie marks of subject5 out of 50
Enter the see marks of subject1 out of 100
Enter the see marks of subject2 out of 100
Enter the see marks of subject3 out of 100
Enter the see marks of subject4 out of 100
Enter the see marks of subject5 out of 100
45
ENTER STUDENT2 DETAILS
Enter Name:
yasminn
Enter USN:
123457
Enter Semester:
Enter the cie marks of subject2 out of 50
Enter the cie marks of subject3 out of 50
```

```
Enter the cle marks of subject2 out of 50
45
Enter the cle marks of subject3 out of 50
43
Enter the cle marks of subject4 out of 50
45
Enter the cle marks of subject4 out of 50
45
Enter the cle marks of subject5 out of 50
59
Enter the see marks of subject1 out of 100
59
Enter the see marks of subject2 out of 100
45
Enter the see marks of subject2 out of 100
46
Enter the see marks of subject3 out of 100
47
Enter the see marks of subject5 out of 100
48
Enter the see marks of subject5 out of 100
49
Extra Cor StUDENT 1
Name Yashh
Usan: 22345
Semsster: 3
Semsster: 3
Enter the see marks in subject2 is 65
Total marks in subject2 is 65
Total marks in subject3 is 60
Extra Cor StUDENT 2
Name: 23545
Semsster: 3
Enter the see marks of subject3 is 60
Total marks in subject2 is 67
Total marks in subject2 is 67
Total marks in subject2 is 67
Total marks in subject4 is 66
Total marks in subject4 is 67
```