LAB 6 Package cie; import java.util. public class student 3 Scanner sc = new Scanner (system.in); public string usw= " ", public string name = " "; public int sem=0; public void getdata () { System.out.preintle (« USN:7"); Usn = sc.next(); System. out. println (" Name: 7"); name = sc. next (); System.out.println (" Semester:7"); sem= scnextInt(); Package cie; import java. util. Scanner; public class internal { Scanner scz new Scanner (systemin); double ciemarks [] = new double [5]; double total = 0.0; System. out, print In (ce In It Enter the cie-marks: ");

```
System.out. preintln ((i+1)+ "subject:");
    for (i=0; ics; i++) }
       ciemarks ij = sc.next Double ();
      total = total + ciemax (s[i];
    geturn total;
 package see;
import cie. :
public class external extends cie. student {
  Scanner &c = new Scanner (System. in);
 double see marks [] = new double (Systemin) [5];
 double total;
public double getmarks () {
Systemout.println(" |n|t Enter the SEF marks: 7");
     for (1=0;125;i++) }
   System.out.printin("Subject "+ (i+1));
seemarks[i] = sc.nextDouble();
   total = total + see marks (i];
   activen total;
```

public static void main (string args[]) {
Scanner aa = new Scanner (Systemin);
int n: System. out . println ("Enter the Number of Ge. students"); cie student s[] = new cie student [n]; cie internal cielJ= new cie internal [n]; see. external e [] = new see. external [n]; double total-ciernardy [] = new double [n] i double total_seemarks [] = new double [n];

for (int i=0; izm; i++) } s[i]= new cie.student(); System. out. println ("In In Enter the details of the student" + (i+1)+":7"); s[i].getdata();

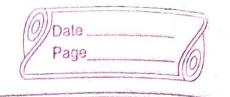
cie [i] = new cieinternal (); total cie_marksijz cie[i]. getmarks(); e [i] = new see. external (); tetal see_marks [i] = e[i]. getmarks();

import cie, +;

import see. *;

import java. util. Scanner

n= ag. noxtlit ();



for (intj=0; j=n; j++) {

System.out.println(er |n |n <----"+ S[j].name + ("----");

System.out.println(" |t USN: 7"+ S[j]. USn);

System.out.println(" |t SEM: 7"+ Sij].sem);

System.out.println(" |n Ciemarks: 7"; total_ciemarks[j]+

"|t"+" SEE marks: 7"; total_see marks[j]);

System.out.println(" |tEND....");

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```
package cie;
import java.util.Scanner;
public class internal(
Scanner sc=new Scanner(System.in);
double ciemarks[]=new double[5];
int i;
double total=0.0;
          public double getmarks(){
          System.out.println("\n\tEnter the cie-marks:");
                               for(i=0;i<5;i++){
                     System.out.println((i+1)+" subject :");
                                ciemarks[i]=sc.nextDouble();
                               total=total+ciemarks[i];
                               return total;
```

```
package see;
import cie.*;
import java.util.Scanner;
public class external extends cie.student{
Scanner sc=new Scanner(System.in);
double seemarks[]=new double[5];
int i;
double total;
          public double getmarks(){
          System.out.println("\n\tEnter the SEE marks:>");
                               for(i=0;i<5;i++){
                               System.out.println("subject"+ (i+1));
                               seemarks[i]=sc.nextDouble();
                               total=total+seemarks[i];
                              return total;
```

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```
import see.*;
import java.util.Scanner;
class main{
public static void main(String args[]){
Scanner aa=new Scanner(System.in);
int n:
System.out.println("Enter the Number of cie.students :>");
n=aa.nextInt();
cie.student s[]=new cie.student[n];
cie.internal cie[]=new cie.internal[n];
see.external e[]=new see.external[n];
double total_ciemarks[]=new double[n];
double total_seemarks[]=new double[n];
// for inputting data of n students
for(int i=0;i<n;i++){
s[i]=new cie.student();
System.out.println("********************************);
System.out.println("\n\n\tEnter the details of the student"+(i+1)+":>");
s[i].getdata();
// for getting cie marks of 5 subjects
cie[i]=new cie.internal();
total_ciemarks[i]=cie[i].getmarks();
e[i]=new see.external();
```

import cie.*;

```
// for inputting data of n students
for(int i=0;i< n;i++){
s[i]=new cie.student();
System.out.println("\n\n\tEnter the details of the student"+(i+1)+":>");
s[i].getdata();
// for getting cie marks of 5 subjects
cie[i]=new cie.internal();
total_ciemarks[i]=cie[i].getmarks();
e[i]=new see.external();
 total_seemarks[i]=e[i].getmarks();
 // for displaying students total marks
 for(int j=0;j<n;j++){
 System.out.println("\n\n<-----"+s[j].name+"---->");
 System.out.println("\t USN:>"+s[i].usn);
 System.out.println("\t SEM:>"+ s[j].sem);
 System.out.println("\nClE_marks:>"+total_ciemarks[j]+ "\t"+ "SEE_marks:>"+
 total_seemarks[i]);
 System.out.println("\nTotal marks(cie+see)==>"+ " " + (total_ciemarks
  [j]+(total_seemarks[j]/2) ));
  System.out.println("\t<-----END----->\n\n");
```

```
C:\Users\cw\Desktop\OOJLAB\Lab6>java main
Enter the Number of cie.students :>
П
******************
       Enter the details of the student1:>
Usn:>
1bm19cs015
Name:>
amitkumar
Semester:>
       Enter the cie-marks:
1 subject
15
2 subject
3 subject
47
4 subject :
48
5 subject :
       Enter the SEE marks:>
subject1
subject2
97
subject3
88
subject4
subject5
<-----amitkumar------
        USN: >1bm19cs015
        SEM:>3
CIE_marks:>231.0
                       SEE marks:>342.0
Total marks(cie+see)==> 402.0
       <---->
```