	Pege No.
	Dato
	Lab program VI
	And American of the Country Statement of the
	Cruate a package CIE Which has 2 classes - Student &
	Intervals. Class Student has members like won 6, name
	gem. class internals has an array that stores the
	internal marks scoud in 5 courses of auraint seme
Lina	of student, Create another package SEE Which has class
mt order	Externals high is derived class of Student. This dass
	has an array that stores SEE marks scored in 5
	courses of current semester of student. Import the 2
	pachages in a file & declare final marks of n studen
	in all 5 courses.
	1 (s divid a standard a management of the standard of the sta
	pachage CIE; All Market Comments
	import java. utu. scanner;
	public class student [
	String name;
	Storing usnj
,	int sem; the season to the sea
	public void getal) [
	Scanner SC = new Scanner (system.in);
	System, out. printer ("Enter student USN");
	usn = expectline();
	System, out printer l" Enter student name");
	hane = Sc. negetline();
_(System. out, println (" Enter the semester");
20 220	Sem = & nextInt();
	3
	public void display () {
	System, out, printer ();
	System, out, porviter ("Student UBN: " + usn);
	System out printer ("Student name: " + name);
	System, out, printle (" semester: "+ sem);
	System, out, periodle (1)

	Paga No. Data
	package CIE;
	import java, util , scanner 6;
b	public class Internals [19 19 19 19 19 19 19 19 19 19 19 19 19 1
nervier.	public int marks(ie[] = new int[6];
nd to	public void getmarks() [
market to	Por (int i=0; i<5; i+1) {
2.00).	Scanner & = new Scanner (System.in);
reads in	System. Out. parintle ("Enter CIE marks in
3	Subject " + (i+1));
is en)	maks(ie[i] = Sc. nextInt();
40.65	a some and a superior of the s
	3
	public trit int return Marks (ie (int i) [
	neturn markesche [1];
	2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -
	I summer was a management
	10 Contra 2000 1
	package SEE;
	import CIE, Student;
	import CIE. Internals;
	import java, util. Scarrie;
1	public class Enternals extends Student [
	int markssee [] = new int [5]
A seco	public vaid getmanks () [
	for (int 1=0; 1(5; 1++) {
	Scanner sc = new Scanner (System. in);
	System, out, printer ("Enter SEE marks in
	subject "+(i+1));
	modessee [i] = sc. nextInt();
	II
Mar Lier	public void calcTotalManles (Internals i) [

	Prige No. Detto
	System, act. privater ("Subject "+ (2+1) 1 + "; "+
	(11. returnmanuscie (1) + (manus see [1]/2)));
	Enter the regulation of selections and solid
	System, out, println'();
	3 : Liniah t dayanit
	J WAS WELL THE
	The state of the s
	import CIE. Student;
	import CIE. Internals;
	import SEE. Externals;
110	import java util scanner;
	public class main English and adjust to the
	public static void main (String args[]) [
	Bearner se = new scanner (system. in);
	System, out, printer l'Enter number of studie
	int $n = sc. nextInt();$
	Internals [] il = new Internals [n];
	Externals [] el = new Externals [n];
	for lint L=0; Exn; i++) {
	System out printer ("Student "+ lit
	" details: ");
	eI[i] = new Externals();
	is[i] = new Internals();
	el[2].getd();
	is [i] getmanks();
	EI[i]. getmanks();
	3
	for lintl=0; ixn; i++) [
	citi), display ();
	ci[i]: calc marks [in [in];
	3
	J. Commission of the state of t

	Output:	_ *
	artait:	~
		~
	Enter the number of students	
	2	-
	Student 1 details:	
	Enter student USN	
	1BM23C5330	
	Enter student hame	
	Sinchana Hemanth	
	Enter semister	
	3	
	Enter CIE marks in subject 1	
	45 True const many than allow a hard	7.71
12.	Enter CIE marks in subject 2	
1 1 1 1 2	49 march restart supragraph 200 a stock	3
	Enter CIE marks in subject 3	21
	48 deviced in - is I deviced the	- 11
	Enter OE marks in subject 4	
	40.	
thing it	Enter CIE marks in subject 5	
	50	
	Enter SEE marks in subject 1	
	95 1000000000000000000000000000000000000	
	Enter SEE marks in subject 2	7
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	Enter SEE marks in subject 3	
	90	Hall Hall
	Enter SEE marks in subject 4	
	(i)	
	Enter SEE marks in subject 5	1
	Student 2 details:	1
	Sunow & getaus :	1

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Page No. Date	
Enter student USN	
1BM23C5317	
Enter student pame	
Storya Raj	
Enter semister	
3 - A CHARLES CONTROL OF THE STATE OF THE ST	
Enter CIE marks in subject 1	
48	
Enter CIE marks in subject 2	
40	_
 Enter (IE marks in subject 4	_
45 6nts 675 manua (1915)	_
Enter CIE marks in subject 5	_
42	_
Enter SEE marks in subject!	
100	_
 Enter SEE marks in subject 2	_
90	_
Enter SEE marks in subject 3	_
96	
Enter SEE marks in subject 4	_
92	
Enter SEE monles in subject 5	_
 90	
The state of the s	
 Student USN: 18M23C5330	
 Student name: Sinchana Hemanth	
 Semester: 3	
Subject 1: 92	
Subject 2: 98 Subject 3: 93	

Paga No.	No.	
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Cont.		
 11.20 PK 1 J. 10 PK 1	3	
 Subject 4:90 Subject 5: 100	1	
 Subject 5: 100	1	
 - M. Agent N		
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Student USN: 1BM23C3317	. [
 Student name: Showp Raj	,	
 Semester: 3	. 1	
Subject 1: 98	_)	
 Subject 2: 85	1	
subject 3: 98	-7	
Subject 4: 91	1	
Subject 5: 87	25 4	
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and the second second second second	ord.	
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```
(FOLDER 1: CIE)
(FILE 1: INTERNALS)
package CIE;
import java.util.Scanner;
public class Internals {
        public int marksCie[] = new int[5];
        public void getMarks() {
                for(int i=0;i<5;i++) {
                        Scanner sc = new Scanner(System.in);
                        System.out.println("Enter CIE marks in subject "+(i+1));
                        marksCie[i]=sc.nextInt();
                }
        }
        public int returnCieMarks(int i) {
                return marksCie[i];
        }
}
(FILE 2: STUDENT)
package CIE;
import java.util.Scanner;
public class Student {
        String usn;
        String name;
        int sem;
        public void getd() {
                Scanner sc = new Scanner(System.in);
                System.out.println("Enter student USN");
                usn = sc.nextLine();
                System.out.println("Enter student name");
                name = sc.nextLine();
                System.out.println("Enter semester");
```

```
sem = sc.nextInt();
        }
        public void display() {
                System.out.println();
                System.out.println("Student USN: "+usn);
                System.out.println("Student name: "+name);
                System.out.println("Semester: "+sem);
                System.out.println();
        }
}
(FOLDER 2: SEE)
(FILE 1: EXTERNALS)
package SEE;
import CIE.Student;
import CIE.Internals;
import java.util.Scanner;
public class Externals extends Student {
        int marksSee[] = new int[5];
        public void getMarks() {
                for(int i=0;i<5;i++) {
                        Scanner sc = new Scanner(System.in);
                        System.out.println("Enter SEE marks in subject "+(i+1));
                        marksSee[i]=sc.nextInt();
                }
        }
        public void calcTotalMarks(Internals i1) {
                for(int i=0;i<5;i++) {
                        System.out.println("Subject "+(i+1)+":
"+(i1.returnCieMarks(i)+(marksSee[i]/2)));
                }
```

```
System.out.println();
        }
}
(MAIN CLASS)
import CIE.Student;
import CIE.Internals;
import SEE.Externals;
import java.util.Scanner;
public class Main {
        public static void main(String args[]) {
                Scanner sc = new Scanner(System.in);
                System.out.println("Enter the number of students whose details you want to enter");
                int n = sc.nextInt();
                Internals[] i1 = new Internals[n];
                Externals[] e1 = new Externals[n];
                for(int i=0;i<n;i++) {
                        System.out.println("Student "+(i+1)+" details:");
                         e1[i] = new Externals();
                        i1[i] = new Internals();
                        e1[i].getd();
                        i1[i].getMarks();
                         e1[i].getMarks();
                }
                for(int i=0;i<n;i++) {
                        e1[i].display();
                         e1[i].calcTotalMarks(i1[i]);
                }
```

}

```
O hypochagor-java Madin
Enter the number of student whose details you must to enter

I student 1 details:
Student 2 telephone
Student 2 details:
Student 2 details
Student 2 details
Student 3 details
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Student 3 details
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Student 3 details
Student 4 details
Student 4 details
Student 5 details
Student 5 details
Student 5 details
Student 6 details
Student 6 details
Student 7 details
Student 8 d
```

}

```
Student USN: 1BM23CS330
Student name: Sinchana Hemanth
Semester: 3

Subject 1: 92
Subject 2: 98
Subject 3: 93
Subject 4: 90
Subject 5: 100

Student USN: 1BM23CS317
Student name: Shreya Raj
Semester: 3

Subject 1: 98
Subject 2: 85
Subject 2: 85
Subject 3: 98
Subject 4: 91
Subject 4: 91
Subject 5: 87
```