

## LAB-6

Create a package CIE which has two classes

- Student and Internals. The class student has
members like usn, name, sem. The class internals
derived from Student 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 student
Import the two packages in a file
that declares the Final marks of n students in

public class students

public string usn;

public string name;

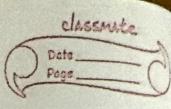
public into sem;

public student string usn, String name, int sem)

string usn, String name, int sem)

this un-usn,

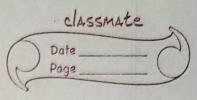
this name = name;



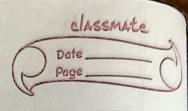
pactagecomete public void display Details ()2 System.out.println " USN:" +usn), System out-prints ("Name: "+name); System out printly ("Sem: " + sem); public class Internals 1 public int[] internal Marts; public Internals (int [] marts) 2 if [marks, length ! = 5)2 System out prottel "Enter 5 mats" this internal Marks = marks, public void display T Marke() {

System.out.printle ("Internal marks:"

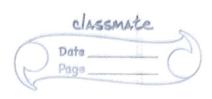
for lint 10, 1cg/1+1) System out print ( marky" ") System out printh()



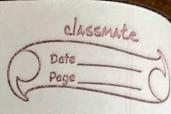
packagecom. SEE; import CIG. Student; public class Externals extends students public int() External Marks; public Externals (String name, String uso, intem, int[] External Morts; public Super (name, us, sem) If marks length 1=5) System out println | "enter 5 subjects!" this external marts = marts ; public void display E marts () < System.out.printly "see mots: "); For ( int i =0, K5; i+t) - System out printh (marks =" ") System.out.printh () Import com. CIE. \*; Import com . SEG \*; Import java util . Sconner; public Class main! public Static void main String [] args/2 Scorrer ec = new Scarner (System:in); System. out . printh "enter no of Students:") into=Scanner Int(),



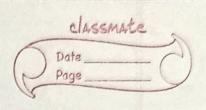
external () students = now external (1); Internal [] int morts = new Internal [n]; for (inti=0; icn; itt) { System out printle ("enter nove") String usn = sc. nextire(); System out printh ("enter mme:") String name = sc. nextline); System out printh ("enter sem:"); int som = sc. nextline(); System out prints ("enter uen"); String[] I mart = new int[I]; For ( int j = ) j = 5; j +1) 2 I marts [] = sc. nortint() System out printly "enter external marts"); int emart free int s] For (int =0, = <5; K++) 2 G marts [t] = SC: New intl);



Int marts [i] = new Internals ( I marts ); Students [i] = new external [name, usn, em, Emarts]; S.O.P ("final marts of student:) for (inti=0; icn; i++) { Students[i] · display details () int marts [i] display marts (); Student [i] · display marts(); System. out . printh ( " Final marks"); int final=int marks(): Fmarks(i) + (Students(i): Emarks(i)
SOP (Final+1))



 Was a second and the
O/p
Enter number of students:2
Enter details For student 1:
Enter USN: 1823 CSO047  Entername: Aparna
Gater Semester: 3
Goter Internal Marts For 5 Subjects
Subject 1:45 2:49
- 3:42
- 4:48
- 5:46
Subject 2; 49
1 2: 46
7 4: 42
" 5; 41



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	Enter details For Studentzi
	Enter USN: 1823.CS 6047
	Enter Name: Rahul
	Enter semester: 4
	Enter internal marks For S subjects:
	Subject 2:37
-	7 2 . 41
-	
	4:43
-	5:45
1	Enter SEE marts for 5 subjects:
-	1:43
	" 2:47
	" 3i 30
	4: 12
	5; 20
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