I Crede a package CIE which has two classes - student and therebs. The class tetral class student has members like own prome psem. The class tetral derived from student has an array that stopps the course of the correct 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 sate stores the SEE marks scored in five courses of the current sensity of the student. Emport the stop packages in a file that declares the final marks of a students in all five courses.

Proceeding (ie solder
Internals. java:

Package (ie;

Insport java util Scanner;

public class Internals extends Studiet ?

protected Ind marks[] = new ind (s);

public Thernals () {

Nonestructor for Internals

public void input (1) Emarks () {

Scamer Scanner = new Scanner (System in); System-out prote ("Geter Indural Mark for" + name) for (M1:0; 125, 141) a System out - print (" subject " + (if 1) + " parties") marks (i) = scanner - next Int (); student para import java- will Swiner; public class Student & protected String vsn = new String () > proctected String name = new String (); protected in sem; void input student Details () & Scanner & Scanner = New Scanner (System. in S. System. ent. point ("Enter USN:"); Usn = Sconner next (); System. out. println l'Enter Name: "): Que name = scanner. rest (); System. out. print ("Enter Semester."); Sem = Stanner perit Int (); public void desplay Student Details () & System . out . print In ("USN: "+ USN); System. out. prontly (" Name: " + name);

Enternals gara package SER; Import CHE Internals; import java extit Scarner? public class Enternals extends Internal Sa protected at marks []: protected at final Marks (); public Enternal 5 () { marks & Men Int (5); And Marks = new Int [5]; public void input SER Marks () & Scanner 5 camer = new Swaner (System. in 5; System . Out grintly & Exter SELE marks for "+ name); for lind is 0; ic5; it+) § System. out-print ("Subject") + (+1)+" mar hs: ") marks [i] = scanner . neart Int (). public void calculate Final Marker () & for (Inti=0; ic5; itt) find Martes (i) = marks (i)) 7 + super marks (i)

System . put. printin ("Semester: "+ sem):

public rord display Final Marks () of Chisplay Student Details(); for lint 1:0;165; H+) Systemend, prindly ("Subject" + (i) 1) +"; "+ frond Marks [i] Matn. Java: import SEE. Externals: public Class Main & public statice moid main (String args[7] & int num of students = 2: Externals finalMarks (7 = new Externals [num of Students]; Cut i =0; i < numofstudents; it +) & final Marks [i] = new Enternals(); From Marks (i) imput Student Details (); System. out print In ("Enter CIE marks"); frad Marks (i J. InputCIE marks () > System.out-println ("Enter SEE markes") final Marks (i). Input SEE marks (); System. eat. printly ("Displaying dates: \n"); for (Pinti=0; i < num of Students; it &) & final Marks (1). Calculate Final Marks (); final Marks (i). display Final Markes () >

- both C Eder VSN: 111 Ester Name: Soh Der Semester . 2 Enter CIE mortes Enter Internal Marks for soh Subject | marks: 222 Subject 2 marks: 211 Subject 3 marks: 44 Subject 4 marks: 3) Subject 5 marks: 2 Enter SEE marks Enter SEE marks for soh Subject Imarks: 111 Subject 2 morts: 3 Subject 3 marts: 3 Subject 4 martis: 3 Subject 5 marks: 13

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