Date - 2/2/24 JAB-6: Over Create a parkage CIE which has true classes - Student and Internals. The class Personal has an overey members like ush, mame, som. The class internals has an array that stores the internal members of the live courses of array sumester of the student.

Create another parkage set which has the class factornal rulnich in the student. a derived class of the student.
The class how an array that stones
the SEE marks showed air 5 courses the current shared un 5 courses

The current sharester of the student.

Temport the two pullages un a

file that decletains the final warks

o n students in all five courses Darkage CIE; import java atil.*; public clas Student & public int sem; public string usn; Dublic String name; publi void locapt () d Scanner Scanner (System.in); System. out printer to Enter Von, name , sem: 70" Osn = scan next line 11; Name = Scan next Line (); Som = Scan- next Int (1)

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```
public dars Intervals &
         publi unt im [] = new int [5];
 parkage SEE;
import CIE. Student;
public Class External crtends Student (
       public unt sm[] = new int [5];
um port java setil. *
import CLE.

public class finalMouks (String args []) 

int Im = new int [5];

Scanner Sc = new Scanner (System. in);

System.out. Println ("Enter n:");

unt n = sc. nextInt ();
               SEE. External st [] = new SEE. External [n];

CIB. internals S[] = new CIE. Internals[n];
               for (unt i=0; i<n; i+t) d

Stti] = new SEE. External();

Stij = new CIE. Internals();

System. out. println(" Enter details" + (i+1);
                  st [i]. accept ();

for (int j =0 ; j < 5 ; jtt) d

System. out. println (" Enter wintand arend of

sub "+ (j+1).);

stid. im (j) = sc. next Int ();
                       Steil smill = sc. next Int ();
```

pm[j] = s[i].im[j] + s+[i].sm[j]]2 System. act. print In (" final moules of for [int h=0], ncs; k+t) x System. out. Printle (" Course" + (K+1) + "="House". Algorithm: Step 1 - Cetart Stepa: - Create a Porhage CIE class named studend with Step 8: - Create a 3 voriables sem, usn and name. Stepy: - Create a public method augst reads sem, ush and which input. Krown Step 3: - Create another class Darkage Dellare on array inti unto which stores interenal size 5. Create another Darkage SEE and I named External cuale a class clocived from student which - Un don parkage CIE.

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Step 8: Declare an average sm EJ of type int and size 5 which stopen 18EE marks. Step 9: Croeste a efile named final Harker and Simport classer from package

CIE and SEE linto the main Step 10: create a class named final Houles

Step 11: create declare) an arrivary for of

type unit and size 5. Step 12: Read on fint from the wer fie no of which marks need to be entered. Step 13: Derlare objects of class SEE. External and CIE. internal of size n. Step 14: for (i = 0 to i < n) &

print (Enter Details) Aupt SEE. External mounder [i] *5 name, usn and sem. Read Internal marks and External marks and intereste through Add im & Gm/2 and store with for Step 15: Som (k=0 to k=5) 4 Step 16: 5+0)

y Output :> enter usn name and 18H22CSOII sem ADARSH DEV SING4 . 2 Enter interal & semend marring subject 45 88 enter internal a somendmonth subject a 47 84 enter internal amendman subject 3 49 000 80 Enter internal somendume subject 4 Cuter interval & 49 89 final Marks APARSH DEV SINGH Courses = 89 Course 2 = 89 Course 3 = 89 Lowese 4 = 93 Course 5 = 93