Lab Perogram-6 buate a package CIE which has two classes - Student and Internals. The class Student has members like Usin, name sem. The class Internals derived from Student has an away that stories the internal marks scored in five course of the current semester of the student Create another package SEE which has the class External which is derived class of Student. This class has an array that stores one SEE marks scored in five courses tof the current semester of the student-Emport the two packages in a fill that declares the final marks of a students in all five courses. Infut -In CIE package; Student-java > public Stowing name;

public stowing name;

public Stowers (Stowing USn, Stowing name, int Sem)

this name - name; this sem semi In CIE package, Internals-java ->
package CIE'

Import java util Scammer'

pablic class Internals extends Student Scamer in = new Scamer (Systemin),

public int CJ CIE = new int Co.

public Internals (Strung USM, String name, int Sam) 2 Super (USH, name, low) public void get data () for (int i=0' i<s'; i+t) System out point ("Enter CIE marks of the student in Subject" + (i+1) + " (out of 50):");

CIE L'D = in nextual (); En SEE package, External java ->

package SEE;

import java util Scanner,

public class External extends CIE Stadent public External (Stering Usin, Stering Maria unt Sem) Depertosnyname, semi) Scanner in - Kew Scanner (System: in);

public wit [] see - new ent [5];

public void get data ()

for (int =0, 1<5, 1++) System Out point l'Enter SEE marks of the student in Subject "+ (i+1)+ "(Out of 100);")" See [i] = in hert tut(); Scanner in = new Scanner (System in); System out paint ("Enter the number of Students"); 1 E : Internals Obj [] = new SEE. Externals

t total =0;

on (int i =0: < n, itt) geten Out pourth (in Enter details of Student gelen Out plent ("USNI")

tring US n = in novet (1);

yelen out plent ("Name")

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System, Out print ("Semesten!") obj [i] get data[);
obj [i] get data[);
obj [i] get data[); nt lan = in next but () for (int i=0) i<n jitt) System - Out priently !" Intotal marks of + (1+1) + 1 (Out of 100) in: 11

lon (int j=0), j < 5 / j = +1) total=(obj Ci], cie [j] f (obj [) · See [j]
Sextem-Out-pointln ("Subject" + (j+1) ; +") Enter the number of Students: 2 Enter details of Student! USN: (nyigh 139) Name: Shreya Semester: 3 Enter Cié marks of Student in Subject! 148 Enter CIE marks of Student in Subject 27,50° Enter CIE marks of Student in Subject 3:48 Enter CIE marks of Student in Subject 4:39 Enter CIE marks of Student in Subject 6:36

. 91 Student 2. IDM GCS164 Nami: Nidhi the lete CIE marks Enter CIE marks Enter CIE marks marks marks o Enter SEE Enter SEE warks Enter SEE marks of Student 2 (Out of 100)