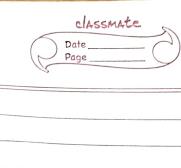


create a package CIE which has a classes 8) students and internals. The was students has member like USN, name, dem. The logge Internals derived from students has an array that stores the internal marks decred in 5 courses cof the ourrent demester of the student. Great another package SGE which has the class External which is a derived class of Student. This class has an array that stores the SEE marks scored in 5 courses of the current demester of the students Import The two packages in a file that declares the final marks of all 5 courses. Input: in file student jana package CIE; imfort jana. util Seanner; public class Student & protected String usn: new String (); porotected String name = new String (); sprotected int dem; public used input Student Details () { Scanner deanner: neu scanner (System in); System out println ("Enter USN"); U8n = siannes nent Line (): System. Out pointln ("Enter name"); name: ecanner nenthine (); System out println ("Enter semester"); dem = seannes.next Int ();

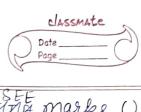
Classmate Date Page
bublic moid deillan Student Details ();
System out - println ("USN"+ Usn): System out - println ("Name: "4 name System out . println ("Semester: "4 sen
System. out. pointln ("Semester:"+ sem
 3
Internals files-jaua.
package CIE;
 import sava util Scanner;
public class Internals, extends Student {     protected int marks []: new int [5];
fublic moid input CIE Marks () { Scannes deanner = new Scannes
(System. in);
Systemout printer ("Entes CIE marks toi, name + ":");
for ( int i=0; ix5; i++) {
System out println ("Enter mark; Subject "+ (i+1)+":");
marks[i]= giannes next Int();
}
Enternals jana fonal.
P.T.O.



songe backage SEE; import CIE. Internal; import jana util Scanner. public class Externals extends Internals ? protected int marks []; protected int final market]; public Externals () { marks = new int [5]; final Marks = new ent [5]; public moid input SEE marks () { Scannes & cannes = new Scannes (System. System. out println ("Enter SEE mass. - Ks for "+ name + ":"); for (int i=0; ix5; i++){ System out pointln ("Enter marks to subject "+(i+1) + ":"); marks[i]= scannes. next Int(); public good calculate Final Marks () {

for Lint i=0; ir5; i++){ final Marks [i] = marks [i]/2 + Super. marksci]; - }

	Date	The second second
	Date Page	
	cinal marks () {	
	public moid display Finalmarks () {  public moid display Finalmarks ();	
	di la Rischedent Details (1)	
	public word display two desplay faistudent Details ();  display faistudent Details ();  System out println ("Final mark");	
	System-out pour	
	t LONG OF THE TENT	
	3 (17);	
	final Marks [i]);	
	?	
	,	
·		
	Main jana	
	. (65.10 (7.11	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
•	import set externals;	
	public class Main {	
	furblic static word main (Strong args []) {	
	Gentalit state with 1. Com	
	int num Of Students = 2;	
	Enternals final Marskill : new Enternals	
	Enorm of Students ];	
~- <u> </u>	Cofiel in the second of the leave and	
~	for (int i=0; ix num of Students; i++){	
~	final marks [i] = new Enternals();	
	final Marks [i] inkut Studentdelails)	
	V Soll)	
	( - ( ) 1 ; ; ; ; ( mu - 0 ; C ( ) , ; ; ) )	
~	for (inti=0; ik num Of Students; i+) {	
~	final Marks [i] = new Externals U	
	final marks & is input Student	
	Details ();	
	veture ()1/	
~		
~	System out fruntln ("Enter CIEMIE	
~	for "+ final marks [i] name);	
~~_		
~	Emplayage 17 in 1 a Teal of 11	
	final Marks[i].input CIEMarks 1);	
	System out pointln ("Enter the SEE	
	Marks (); q	
	1 - 1 4	



final Marks [i]. input Exter marks ();

System out println ("Displaying data: mi.

for Cintizo; is namof Student; i++) { final Marks [i]. valculate Final Marks ();

final Marks [i]. display Final Marks ();

OUTPUT:

Enter the no. of atudents.

Enter the name USN

1BM22CS ZZg Enter the name. S Rothor

Enter the Simester Ender She 'marks for subject 1:

Ender the I marks for Subject 2:

Ender the marks for Subject 3;

Ender the marks for Subject a:

Ender othe morks for Subject 5 Enter SEE marks 50 Subject 1 marks: 60 Subject 2 morky: 50 Subject 3 marks: 50 5 11 . 50, -1 Displaying data. Name: S Roubhal Subject 1: 75 1)