hab 6

a) Create a package CIE which has two classes - Student and Internals The class Student has members like USN, name, sem. The clase Internal derived from student has an array that stores the internal marks scored in five courses of the Current semester of the student. Dreate another package SEE which has the class External which is a derived class of Student. This class has an array that store the SEE marks scored in five courses of the current semester of the Student. Import the two packages in a file that declares the final marks of n students in all five courses.

NO
DATE
Lange of the second sec
A STATE OF THE STA
i an a stable
in Julius Const
المن المام ا
; at years
),
,
sn);
·);
);

	NO
	DATE
(1E/ Internals java	
package CIE;	and the state of t
import java. util·scanner;	
public class Internals extends Student &	
protected int[] internal Marks = new u	it (5);
public void input & C2 Emarks () &	
Scanner S=new Scanner (System	
Lystem. out. print In ("Enter Intern	
Lubjects: ");	7
for (int i=0; i25; i++) &	3
Lysten. out-print ("Lubjec	"+ (i+0+":");
unternal Marks [i] = S. nex	
3	
3	1 . mj
3	
SEE/Externals.java	
Package SEE;	
import (IE. internals;	
import java. util. Scanner;	er of part for a
	"; i

	DATE
public class Enternals est	ends Internals &
protected int []	see Marks = new wit [5];
perotected sint[]	final Harks = new int [5];
public void input:	SEEmarks () &
Scanner S	new Scanus (System in);
	t. printly ("Enter SEE Marks for 5
	The Control of the Control
for Cint 1=	0; 125; 1+1) {
	Lystem out print la ("Subject" + (i+1) + ":")
	See Marks (i)=S. next Sut (1;
3	A Control of the Control
3 Contract to the same	
	r i å i galek til og der tri
public void colculate Is	
for (int i=0; i25;	
	[i] = internal Marks[i] + see Marks[i];
3	
3	
public void display fina	(Harks () of
dis playstudent a	Details ():
Jon (int i=0; ic	th ("final Harks for 5 Subjects: ");
New Contraction	1,117

ИО

	NO
	DATE
	System out print hil" Sulfect"+ (i+1) +":" +
	yinal Marks (i);
	3
2	
1	
	the said of the state of the said of the s
Main java	
	at the second of
import SEE. En	externals;
cimport java c	
class Main &	
	lie Static void main (String [] args) &
	Beanner S = new Scanner (System.in);
	System. out. print (" Enter Number of Students: ");
	uit n = s. next Int ();
	Externals () students = new Externals [n];
	forlinti=0; ien; itt) {
	System. out. printh ("Enter Details for Student".
	(i+1) + ":").

	NO approximate control of the contro
	DATE
students (i) = new Enternals ();	
Students (i) . inputstudent Details	();
Students [i]. input (IEmanks();	
Etudents [i]. ipput SEEmarks ();	
Students (i). calculate final Marks	();
System. out. praintly ("In final Harks of for lint i=0; icn; i++	Students: ");
System. out-printle ("In Student	"+ (i+1) + ":");
Students (i). display final Marks	
3	
3	
3	
General Company of the Company of th	4.3.
Dutput	
Enter number of students: 1	
Enter details for shider 1:	
Enter USN: Aaryan	
Enter Name: 2 BM2 \$ CS006	
Enter Lemester: 3	4
Enter Internal Marks for 5 Subjects:	
Subject 1: 45	
	4

Subject 2: 49 Subject 3: 42 Subject 4: 45 2 ulject 5: 46 Enter SEE Marks for 5 Subjects: Subject 1: 44 Subject 2: 48 Subject 3: 50 Subject 4: 48 Subject 5: 49 final Hark of Students: Student 1: USN: 18M21 (5006 Name: Aaryan Semester: 3 Subject 1: 89 Subject 2: 94 Subject 3: 92 Subject 4: 96 Subjects: 95