23.01,24 Tab Perogram 6: Create a package CIE which has two classes student and Internals. The class student has members like usn, name, sem. The class Internals derived from student has an array that stores the internal marks scored in five courses of the current semester of the student. Oreate another parkage Set which has the dall External which is derived class of student. This class has an array that stores 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 a students in all five 11 student . java package CIE; import java util Scan public class student protected string usn = new string (); protected string name = new protected ind sem; public void inpulstadent Details () Scanner 5 - new Scanner ( system in) System out point in ("Enter the usn"); = S. nentline



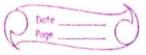
	System out print In ( "Enter the student name")
	name = c. nent time();
	fustom but a timt (on (" E-1=2 to 20 months")"
	system. out. print(n("Entil the semester"); sem = S. nent Int();
	2
	public void display Student Details ()
	System. out. println ("USN = "+ USN?; System. out. println ("Student name = "+
	system. out. println ("Student name = 4
	Bystem. out. println ("Semester = "+ sem);
	3
,	3
	11 Tinternale java
	package CIF;
-	import (IE. student;
	import jour util Scaponer;
	public class Internals extends student
	protected int marke [] = new int [5];
	fultic void input c1Emarks()
235.	- <del>6</del>
	Scanner 5 = new Scanner (system in).
	System our printer ("Enter the marks of
5	each subject ");
	fortant :== 0; i 65; i++)
* 4	marks [i]=g.next Int();
	2
	7.
	P

1	i cuternals .java	
	package SEE;	and the second second
anna impirati anterio (Pertindo Agresa	import cie. Internale;	
	import java edil . Scanner:	
	public class Externals extends Internals	
	protected intermarks (7:	
	protected int final rearts (7;	
	public Externals ()	10-74 A-14
	marks = new int E53;	
	final Marks = new int 197;	
	public void inputSEE marks ()	
	d	
	Scarner S = new Scarner ( System in);	
	for (int 1=0; i 65; i+4)	
	system out print ("Subject "+ li+1)+ marks: ");	4
	marke [i] = SinentTyrot ();	27
	3	
16.	3	
1	public void calculate Final Marke ()	
	for (int i=0; i 25; i+1)	mania eta mel
	ginal Marks [i] = marks [i]/2 + Super. mo	urks)
	public wid display Final Marks ()	
	\$	



	display student Dotails ();
	for (int i = 0 : ( = 5 : (44 )
	System court println ("subject" + (i+ 1) + "!"
	4 final Marke (i));
	3
	2
	Il Main, java
	import SEE. Externals;
	class Main
	€
	public static void main ( string args [7)
	£
	ent num & Studente = 2;
	External final Marks [] - new Enternas
	[ num Of straints ];
	for (int i=0; i chumb( students; i++)
	8
	. final Marks [i] = new Externals (1:
	finals Marks (i? injudstudent Details ();
	System. out println ("Enter. CIE marks");
	final Marks Cil. input (It marks (1)
	System out printin ("Enter SEE marks"),
	final Marks Ci? imput SEE marks ();
	3
	System out printen l'Deiplaying datailnt
1	for lint is i commof students; it')
_	1
	final marks (i) calculate Final Marks ();
	final Marks (i) display timal Marks ();
	4
	3
	<b>3</b> .

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Ajay  Coler the semester  3.  Contex (IE Marks.  Enter the marks of each subject  48  46  47  49  50  Eater SEE Marks: 46  Rubject 2 marks: 46  Rubject 3 marks: 48  Rubject 4 marks: 48  Rubject 5 marks: 48  Rubject 5 marks: 49  Lubject 5 marks: 49  Lubject 6 marks: 44  Contex the vsn  IB or 22 (5) 9 8  Enter the semester  3  Enter the semester  3  Enter the semester  3  Enter the semester  3  Enter the semester  6  Enter the semester  3  Enter the semester  3  Enter the semester  4  Enter the semester  4  Enter the semester  3  Enter the semester  4  Enter the semeste			-
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Lubyich 2 marks: 46  Subject 2 marks: 48  Subject 4 marks: 49  Lubyict 5 marks: 44  Enter the USN  18 or 22 CS 19 P  Enter the semester  3  Enter the semester  3  Enter the semester  6 nter the marks 191 each subject		50	5.72
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	Subject 1 marks: 49
	Subject 2 Marks: 47
	subject 3 Marks: 45
	subject 4 marks: 46
	subject & Marke: 42
	subject 6 star
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	Displaying data:
	USN = 182225183
	student name - Ajay
	semester = 3
	subject 1: 71
	subject 2: 67
	Subject 3: 69
	Subject 4: 73
	Subject 5: 72
	USN = 18422 (5198
	student hame: Ram
	Semester = 3
	Subject 1 ? 93
	subject 2: 96
	subject 3: 80
	subject 1. 83
	engia 5: 85
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