Create a package CIE which has two days and Internals. The class Student has members like usn, rame, sem. The class internals derived from Student has an arrow story the internal marks sometiment semater of the arrent semater of in fire courses of the current semules of the student. Greate another package SEE which have class external which is a derived day of suday. this class has an array that stores the set marks scored in five courses of the current semaster of the student Import the two packages in a file that deservos declares the final marks of n stidents. Isoport the two packages

11 Class Student package CIE; import java: vtil. Scan ner;

protected String usn = new String ();

protected String name = new Otring ();

protected int sem;

public void inputshedent Defails () { Scanner & = new Scanner (System.in); System.out.println ("Enter USN:); usn = s. next (); System.out.println ("Enter Name"); System out println ("Semester: " sens); Sem = ( nextInt ();

public void displaystudent Delails () System-out printin ("QJSN!" + USh); System out pointly ("Name:" + name); dystem out pointln (" Semester: "+ sem); 11 Internals java package CIE; impost java-util-Scanner; public class Internals extends Student 9

protected int marks[]= new int[5]; public void input (EmarksC) Scanner s= new Scanner (system in); System out print In (" Enter internal marks for" for (int i=0; i<5; ++) System outposit in CENTER Internal Marks for System out print ("Subject "+ (i+1) + " marks:"). marks [i] = s. next[nt();

1/Externals!pura package SEE; import java-util: (commer) public class Externals extends Internals protected int marke[]; protected int final Marke [7] public Externals Organis I Home marks enew int[5] final Marks = new int[5] public void inputsEEmarks () Scanner 5= new Scarner (System in) System out println ("Enter SEE marks for "tramb for (int i=0; i<5; i+t) { System.out. print ("Subject "+ (it 1) + "Mark:"); marks[i] = s-nex+ Int(); public void CaladateFinalMarks() for (int 1=0; i25; i+1) final Marks [ i] = marks [ i] /2 + super marks[ i] public soid display Final Marks () display Student Details (); for (inticologics; int) System.out.psintln ("Subject" + Ci+1) + ","

+ Hral Marketil)

# Pkgmain java import SEE. Externals; public dass Pkamain 2 public static void main (string args []) & int num Of Students = 2; Externals finalMarkicCJ=naw Externels [numOfStudents]; for Cint i=0; ic num Of Students; itt) final Marks [i] = new External(C); final Marks [i] . in portstudent Details (): System-out-println ("Enter Cit marks"); final Mark S[i], in putClEmarks (); System out println(" Enter SEE marks"); final Marks [i]. input SEE marks(); System out printh (" Displaying data: In"); Cint i=0; i enumofstadent; i++)& final Marks [i] calulate Final Marks (); Final Marks [i]. display Final Marks U;

Enter USN:101 Enter Name: Shreyas Enter Semester: 3 Enter Internal Marks for Shreyas Enter CIE masks Subject 4 marks: 45 Subject 2 marks: 47 Subject 3 marks 48 Ebject 4 marks 49 Subject 5 marks:50 Enter SEE man low Shrayas Refect 1 marks: 99 Subject 2 marks; 99 Rubject 3 marks: 97 Subject 4 marks: 98 Subject & marks; 96 Enter USN: Harin 102 Enker Name: Kevin Enter Simester: 3 Enter UE marks in the second Enter Internal marks for kevin Subject 1 marks: 9 Subject 2 marks : 6 101 Subject 3 marks 4 Subject 4 marks 5 Subject 5 marks 7 Enter SE marks Enter SEE marks for Kevin Subject 1 mar 45:12 Subject 2 marks; 14 Subject 3 marks: 15 Subject 4 marks: 16 Subject 5 warks:17

