-> Create a package CIE which has two classes-Student and Internols. The class Student has members like usn, name, sem. The class Internal derived from Student has an array that stores the internal marks scored in five courses of the current semester of the student. Create another package SEE which has the class External which is a 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 n students in all five courses. package CIE; import java, util. \*; public class Student protected String name = new String () protected String usn=new String(); protected int sen; admirable, in public void inputStudent Details ()} Scanner s = new Scanner (System.in); System.out. println ("Enter the name:"); name = s. nextLine(); System, out, println ("Enter the wn:"); usn = s. next Line(); System.out. println ("Enter the sem:"); sem=s.nextInt(); public void display Student Details ()d System.out. println("Name:"+ name); System.out.println("USN:"+usn); System.out. println(" Sem: " + sem);

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1/ Internals
package CIE;
import java. util . x;
public class Internals extends Students
profected int marks [] = new int[5];
  public void input (IEMarks()1
     Scanner s = new Scanner (System in);
    for (int i=0; i<5; i++)d
       marks[i] = s. next Int();
1/Externals
package SEE;
import CIE, internals;
import java. util. +;
public class Externals extends Internals!
     protected int marks[];
      protected int finalmarks[];
      public Externals ()d
            marks = new int[5];
            finalmarks = new int[5];
     public void catedate Final Marks ()1
            Steanner s = new Scanner (System.in);
            for(int 120; 1<5; 1++)1
                 System.out.prixtln("Enter Subject"+(:+1)+"marks);
                  marks[1]=s.next Int();
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public void calculate Final Marks () of 10 1000
               for (int 1: =0) 125 ) 1++) d
                finalmarks[i] = marks[i]/2 + super. marks[i];
                                 Same White
                                Acres 10) , ()
         public void display $1 mal Markel ) d
                display Student Details ();
               for (int 1=0; 1<5;1++)/
                     System.out.println("Subject"+(1+D+"finalmarks[i))
1/ Main
import SEE Externals;
class Main
      public static void main(String args[])d
              int n=2;
              Externals finalmarks[] = new Externals[n];
             for (int i=0; i <5; i++) &
                   final marks[:] = new Externals();
                   finalmarks[i]. Input Student Details ();
                   Systemout. println("Enter CIE marks:");
                   finalmarks[i]. input (IEMarks();
                   System.out. println ("Exter SEE marks:");
                   finalmarks[i].inputSEE Marks();
            System.out. println ("Displaying Data;");
            for (int 1=0; 1<5; 1++) {
                   finalmarks[i].colculate FinalMarks();
                   finalmarks[i]. display Final Marks();
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art fam.	Output:
	Enter the USN: 1BM22CS244
L 1 1 1 1 1 1	Enter the name: Santash H Tambagi
	Enter Sem: 3
1 2 2 2 2 2 2 2	Enter CIE marks:
	Subject 1: 44 MIL MIL MILLER
	Subject 2: 47
	Subject 3: 42
ele reb	Subject 4: 43
***	Subject 5:44
	Enter SEE marks:
	Subject 1:88
	Subject 2:89
	Subject 3: 87
	Subject 4:88
	Subject 5:87
	· · · · · · · · · · · · · · · · · · ·
	Display Data:
	USN: 1BM 22C3 244
>	Name: Santosh H Jambaji
	Sun: 3
-	Subject 1: 86
	Subject 2: 90
	Subject 3:85
	Subject 4: 87
	Subject 5: 87
	2 N
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