Vreate a package CIE which has live classes-student and internal. The class student has members like USN, name Sem. The class internals dearined from student has an array that stories the internal marks stored in fine connectes of the current semester of the student careate another packagee SEE which has the class external which is a decimed class of student. This class has an array that stores the SEE mark's scored in fine concices of the current semister of the student. Import the two package in a file that declares the final marks of n students in all live courses.

javac -d mypackage simple class. java java simpleclars. java

Shedent . jana

package CIE; public class brident & protected Strung, usn; purticled string mame; protected int sem;

public Student (String Usn, String name, int sem) {

this . usn = usn;

this . name = name;

this . sem = sem;

public String get usn () {

return vsn;

y

public Strong get Name () { return name; public int get sem () {

return sem;
}

```
freekage
Internal . jaur
 package CIE;
public class Internals extends student {
      perdected int [] internal Marks;
     public Internals (String usn, String name, int sem, int [3 internal plants)
                                                               Marks) {
         Super (usn, name, sem);
          this internal Marks = internal Marks;
       public int [] get Intural Maaks () {
      neturn internal Marks;
      public int rabulate Internal Marks () {
          ent hotal = 0;
           for (in marks; internal Marks) {
                total += marks;
        betuen total;
External Jana
 package SEE;
 import CIE student;
 public class between extends student ?
     protected int [] enternal Marks;
     bullin enternal (String usn, String name, int sem, int []
                        external marks) &
                 super (cesn, name, sem);
                 this . external marks : enternal marks,
```

Y

```
fuller unt [] get External Marks () {
      · return enternal Marks;
     public int calculate External Marks () {
          int total = 0;
          for (int marks; external Marks) {
           hotal + = marks;
          return total;
Final marks java
import CIE internals;
import GEE External;
public class Finalmarks &
      public static void main (String [] ange) {
        int[] internal Marks 1 = {80, 75, 70, 85, 90}.
        int [] internal Marks 2 = { 78, 82, 88, 86, 84 3;
        int[] enternal marks 1 = {85,80,90,70,753;
        int[) entural marks 2 = {80,85,90,88,783,
       Intumals shudent 1 = new Intumals ("24BECS404", "Abhay",
                                             5, internal Mourbs 1);
      External students = new External ("24 BECS412", "Koala", 5,
                                            endernal Marks 2);
     int final marks 1 = shederel 1. rabulate Internal Marks () + estudent 2.
                            calculateExternal Marks ();
     int finalmentes 2 = Student 1. rabulate Internal Marks () + Students.
                            calculate External Marks ();
```

System. out. perintln ("Shident 1-USN: "+ shident 1, get USN () + "Nome."

+ shident 1. get Name () + ", final marks: "+ final

marks 1);

System. out. println ("shident 2-USN"+ shident 8. get USN () + ", Nome:"+

System. out. println ("shudent 2-USN"+ shudent 2. get USN() + ", Nome:"+

Shudent 2. get Name () + ", final marks:"+

final marks 2);

parents later and some

3 and the second of the second

Output:

Student 1 - USN: 24BECS404, Nome: Abhay, Final marks: 821 Student 2 - USN: 24BECS492, Name: Koala, Final marks: 821

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