breate a package CEE which has two classes student and internals. The class student has members like used, name, sem. The class internals derived from student has an array that stores the internal marks scored in 5 cources of the current semester of the student. Create another package SEE which has the class external which is derived class of student. This class has an array which stores the SEE markes of current semester of student. The hop packages in file that declears a final marks of a student in all five cources.

package Ole; Import Java · util · *; public class shedent? protect string name = new String (1; protect ed String USN = new String (1; protected int sem; public verd input student detalls (1,3 Scanner 3 = new Scanner (Systemism); Systems out print In ("enter the name"); name- so nextline (1; System rout. println ("enter the sem "); Sem = sinext Enter; public world display shedent detalls () & Systemieut op vintln ("Name" + name!; System coud print In (" USN" + USN); 2 System out print in (" sem" + sem);

```
partage dE;
Import java . UHl. *;
  public class internal entends Shident of
   protected int marks = new intes ];
    public void input all morresco ?
     Scanner so new Scanner ( Systemin);
     Por Ciniso; 125; 14) }
     merks [1] = s. nent but(1;
H Externals
   poekage SEE;
   import de internals;
  import java while it;
  public class External extends Enternals s
   protected Int marks EJ;
   protected Int finalmarks E3;
    public Enternals (15
     marks = new lot [5];
      finalmarks = new Int [5];
    public vold input External mark sco,5
     Scanner Sa new Scanner (System in );
      for (Int 150; 165; 14)
      E System out println ("Enter subject "+(1+1) + mailes");
marks [1] = Some xtenter;
```

```
public vold calculate Fload Marks (15
    for (Intiso; 105; 1+1) &
         final marks [i] = mortes [:3/A+ super marks (13;
  4
   public void displayfinal Morles (1 5
     display Shedent Details (1;
     Por Out 150; 125; 1+12
         I ystem out print In (" Subject "+ (iti) +" final markers);
3
11 masy
 import BEG · Externals ;
 class main $
        public state vold main ( String argsEJ 15
         Int n = 2;
                   finalmarks [] = new Externals [n];
          for (int- 1=0; 145; 1+1) &
             final marks (13 = new External s(1;
             Knal marks [13. input Student Betails();
            Systeme out . print la (" Enter CIE morks");
            final masks [1] input GZE marks(1;
            System put print In ("Enter SEE maries: 1);
           final marks [1] . Input see markson;
           Mary Laid
```

But The part

System.out . print In ("Displaying Jata");

for (int 1=0; 125; 1+)\$

finalmorks [1]. cal cal culate final Morks (); final morks (1]. d is play final Marks ();

4

out put :

Enter the USN: 18M 2205253

Enter the name: Charanabasappa

Enter Sem ; 3

Enter CIE marks:

Subject 1:44

Subject 2147

Subject 3:40

Subject 4:43

Subject 5:44

Enter SEE marks:

Subject 1:88

Subject 2:89

Subject 3:87

Subject 4188

Subjects: 87

Display Data:

USN 11BM 22C5253

Name: Charanabasuppa

Seny 3

Subject 1:86

1 3,000

Subjects: 90

Subject 3:85

Subject 4:87

Subject 5:87