```
extreate package (IE, SEE2 impout the package
    on main java file.
   parkage LI Eighanner; public class ditudnit ?
        spublic sint usem; spublic string un; public string name; public string name;
        public void raccept()
          Lystem. out. pointien l'Enter un: ");
            usn: in.next();
           dystem. out. print ("Enter name: ");
            name = in. neutl);
            system out print " Enter sem ");
            sem = in ment();
package (III)
 public int marks[]: new int[5];
package SEE;
import ETE. student;
public class External extends student?
     public int end new.int(5);
```

```
Main java
import java. util. *.
imposent SEF. *;
impout (II. *;
public class Maint
     public static void main ( steing aways []) 5
         int simal [] = new int(s).
         Scanner in = new Scanner (System in);
          System. out, peintl ("Entern = ").
          int n = in nextInt();
          BEE. Enternal cont ] = new GEE Externally,
           ttt. Extunal
           CIE. Inturnal in () = new (IE. Inturnally);
          for(int i=0; i(n; i++){
              end(i) = new SEE. External ();
               in(i): new (IF Internals();
              System. out pounted of l'enter détails of
                + (1+1);
                endli). accept 1);
              for (unit j-o diptem out printen ("
              Enter internal & extrinal marks");
              forcint i=0,325;j++){
                  dystem. out println (" lourse "+()+i)),
                  in(i), marks'(j): in nextInt();
                   end(i).ent(j): in.nextInt();
                   timadli) = in(i), marks[i] +
                                end(i). ext(j);
               dystem.out.println!" Final marks
of "+ and(i). name);
               for (int 60; R(5; k++) {
                    Lystem.out. println ["lowese
4 (k+1) + "="+ final(k]);
```

```
Agorithm:
      Step 1: Stout
      Step 2: Initialize variable name, usn, sem
              marks (5), ert (5), timal (5)
       ateps: Function; void aucpt () 1
                  Input: "Enter us n
Input : "Enter name
                                     ", uin
                  Input = "Ender sem
                                        , sem.
     deep " : buint " Enter no. of itudents"
      atep 5 :
              Read n
     Step 6: Cueate structure of name, usn, sem
             atup +=
                  fort praint " Enter internal & external
                    marks suspectively
                  *04 (j=0) j25; j++) {
                      Stor Point "Course "+11+1)
                       Read mas. st[i). marches (i)
                       Read st(i) ext(j)
                       trat[i].tinal(j) = sat(i).masks(j)
                                      4 st(i) ext(j)
  Step 1: paint inal marks"
          102(1=0; icn; i++) {
                . print at (i) name
             forlj=0;j<5/j++1{
                print Final lowere
                 paint st (i) timal (j)
step 4: Stop
```

```
Output
Enter n=1
enter details of 1
enter un: 15
Enter name : justil
Enter som : 2
Enter internal external morely
 LOWERE 1
 23 89
 coulue 2
  23 9
 Laure 3
 45 78
  tours 4
 34 90
 coules e 5
 85 90
  final made
  Earthse 1 = 56
  Envise
  fourts e
  Coulise 4
  Collers e 5
```

02.02.24

```
D:\java\oops>javac Main.java
D:\java\oops>java Main
Name: Aditya Dinesh Netrakar
USN: 1BM22CS017
Enter n:
1
Enter details 1
Enter U, N, S:
17
adi
2
Enter im and sm of sub 1
93 95
Enter im and sm of sub 2
96 90
Enter im and sm of sub 3
96 91
Enter im and sm of sub 4
98 97
Enter im and sm of sub 5
90 95
Final marks of adi
Course 1 = 94
Course 2 = 93
Course 3 = 93
Course 4 = 97
Course 5 = 92
D:\java\oops>
```