```
6. Geate a package CIE which has two classes_
  student and Internals. The class student has
  members like usn, name, sem. The class internals
  has an array that stoles the internal marks
 scored in five courses of the current semester
 of the student. Greate another package SEE
 which has the class External which is a
 derived class of student. This class has an alray
 that stores the see marks scored in five
  courses of the current semester of the student-
  Import the two packages in a file that
 declases the final marks of n students in cell
 five courses. (Diallinger . 1)
sile 0
  package cie;
  import java. util. Scanner: Olgais biou
   public (class Student ") altaing two metry
       public int usn, sem; (22) post in
      public string sname;
      Scanner 38 = new Scanner (Bystemin);
       public void getd();
       system-out-paintln ("Inter name: "),
        sname = Ss. next ();
System- out. println ("Enter un:");
        usn = 88. next (nt();
System. out. printin ("Enter sem:").
         sem = 98. neat Int();
       public void disp()
         system. out. println ("name: "+ sname);
        system out printin ("usn:" + usn);
      & system. out printin ("Sem: "+ sem);
```

```
import java util scannel;
 package cie;
   public class internals
      public int = marks [] = new int [5];
       Scannel 3a=new Scannel (Systemin).
       public void getal (?!
        system out println ("forter internal
        for (int i=0; i25; i++)
           System. out. Println ("Inter marks of course
           marks[i] = 8a. neatlot();
    public void displ() yoursel liber was tropm
      system.out.println ("Internals mairs"
      for (int i=0; i25; i++) and soil silving
                              points stained
        system out printin ( Marks of course of lith.
                                         + marks[i]
                           public void getal
 4
File B.
   package see;
    impost cie. Student;
    import java util Scanner
    public class faternal extends Student
       public int m[] = new int [5],
        Scanner siz new Scanner (system.in);
```

```
public
        void getd2()
      system. out println ("toter see marks:");
      fox(int j=0;j=5; j++)
          system out printin ("Enter marks of course"+
          m[j]=89-neatInt();
  public void disp2() 1 1 1 1 1 1 1 1
    systemout println (" see Marks: ");
     for (int j=0; j < 6; j+4)
    master of confin
       system out println ("Marks of course"+ (j+1)+":
4
 import cie. Internals;
        cie. Student;
  imposit see external;
  import java-util-scanner;
  class Finals 10/14
                         main (string augs[])
   public static void
  scannel se=new scanner (system.in)
                         int[5], 1000 10
       int mark[]= new
    student s=new student();
    internals it = new Internals ();
     External et = new External ();
    Bystem. out. println ("Enter n: ")
       n= se. nextlnt();
```

```
108 (int f=0; f=n; i++)
    s.getac); it.getal(); et.geta2();
                                                     ent
                                                     Er
     s-disp(); it-disp(0);
    system. out. printing marks of "+ s. sname +
                                                     ent
                                                      23
                                                     ent
    for (int K=0; K=5; K++)
                                                     4
        mark [k] = (it. marks(k]) + (et. m[k]).
                                                      (n
       system.out.psintln("final masks in course"
                                                      fr
                                                      4
         + (K+1) + ":"+ mark(K)); 4 mark
                                                      Ex
  8
                           Enter marks of course s
& output:
                           Name: Rony
 enter n:
                           usn: 345
Enter usn:
                           sem : 3
                           Internals marks:
 345
 Enter sem:
                          marks of course 1: 44
Enter internals marks:
                           Marks of course 2: 45
 Enter marks of course 1:
                           Emals of course 3: 46
                           Marks of course 4: 47
 Enter marks of course 2:
 44
                           Maybs of course 5:48
Enter marks of course 3.
                            SEE Marks:
                            Marks of course 1: 49
 46
Enter marks of course 4:
                            Marks of course 2:48
enter marks of course 5:
                            Marks of course 3: 47
 48
                            Marts of course 4:45
Enter set marks:
                             Marks of course 5: 46
Enter marks of course 1:
                            Marks of Rony "is
enter marks of course 2:
                            final marks in course 1:93
 48
                            final marks in course 2:93
Enter marks of course 8:
                                 marks in course 3:93
enter marks of course 4:
                            Final marks in course 4:98
45
                            Final marks in course 5:94
```

See Marks: enter name! Marks of course 1:50 €my s seed street Marks of course 2: 47 enter usn: Marks of course 3:48 234 Marks of course 4:46 enter sem: Marks of course 5: 45 enter internals marks: enter marks of course 1: Marks of city is: Final marks in course 1:95 Enter marks of course 2: final marks in course 2:93 46 final marks in course 3:97 enter marks of course 3: final marks in course 4:94 Enter marks of course 4: Final marks in course 5:92 enter marks of course 5: a Danon Enter SEE marks: Scanner (Sustern BOARDER ES ESPONS Enter marks of course 1: Enter marks of course 2: enter marks of course 3: Sustern out paintly ( Coler Escant) Enter marks of course 4: enter marks of course 5: manthop 45 Name: Lily usn : 23 4 5 1 27 Sem: 4 Marks: Internals Marks of course 1:45 Marts of course 2:46 course 8:49 Marks of course 4:48 Marks of Marks of course 5:47 Cashox vilas ) altridg two making C

```
package cie;
import java.util.Scanner;
public class Student
public int usn, sem;
public String sname;
Scanner ss=new Scanner(System.in);
public void getd()
System.out.println("enter name:");
sname=ss.next();
System.out.println("enter usn:");
usn=ss.nextInt();
System.out.println("enter sem:");
sem=ss.nextInt();
}
public void disp()
System.out.println("name:"+sname);
System.out.println("usn:"+usn);
System.out.println("sem:"+sem);
}
}
package cie;
import java.util.Scanner;
public class Internals
{
public int marks[]=new int[5];
Scanner sa=new Scanner(System.in);
public void getd1()
System.out.println("enter internals marks:");
for(int i=0;i<5;i++)
System.out.println("enter marks of course "+(i+1)+":");
marks[i]=sa.nextInt();
}
public void disp1()
System.out.println("internals marks");
for(int i=0;i<5;i++)
{
System.out.println("marks of course "+(i+1)+":"+marks[i]);
}
```

```
}
}
package see;
import cie.Student;
import java.util.Scanner;
public class External extends Student
public int m[]=new int[5];
Scanner sr=new Scanner(System.in);
public void getd2()
System.out.println("enter see marks");
for(int j=0;j<5;j++)
System.out.println("enter marks of course "+(j+1)+":");
m[j]=sr.nextInt();
}
}
public void disp2()
System.out.println("see marks");
for(int j=0;j<5;j++)
{
System.out.println("marks of course "+(j+1)+":"+m[j]);
}
import cie.Internals;
import cie.Student;
import see.External;
import java.util.Scanner;
class Finals
{
public static void main(String args[])
int n;
Scanner se=new Scanner(System.in);
int mark[]=new int[5];
Student s=new Student();
Internals it=new Internals();
External et=new External();
System.out.println("enter n:");
n=se.nextInt();
for(int f=0;f<n;f++)
```

```
{
s.getd();
it.getd1();
et.getd2();
s.disp();
it.disp1();
et.disp2();
System.out.println("marks of "+s.sname+"is");
for(int k=0;k<5;k++)
{
    mark[k]=(it.marks[k])+(et.m[k]);
System.out.println("finals marks in course "+(k+1)+":"+mark[k]);
}
}
}</pre>
```

```
Command Prompt
                           X
C:\1BM23CS303>javac Finals.java
C:\1BM23CS303>java Finals
enter n:
enter name:
rony
enter usn:
345
enter sem:
enter internals marks:
enter marks of course 1:
44
enter marks of course 2:
 45
enter marks of course 3:
 46
 enter marks of course 4:
 enter marks of course 5:
 48
 enter see marks
 enter marks of course 1:
 enter marks of course 2:
 48
 enter marks of course 3:
 enter marks of course 4:
 45
  enter marks of course 5:
 46
 name:rony
  usn:345
  sem:3
  internals marks
  marks of course 1:44
  marks of course 2:45
marks of course 3:46
marks of course 4:47
```







