17 18

```
Student.iava ×
                     External.iava ×
                                    interfaces.iava •
                                                    generics.iava
                                                                    factorialexception.iava •
                                                                                         /*Write a Java program to create an account class.
     /*Create a package CIE which has two classes- Student and Internals. The class Personal has
     members like usn, name, sem. The class internals 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 see;
     import cie.*;
     import java.util.Scanner;
     public class External extends cie.Student{
10
         public int externalm[]=new int[5];
11
         Scanner ss=new Scanner(System.in);
12
13
         public void getExternals(){
14
             for(int i=0;i<5;i++){
15
             System.out.println("Enter your marks in subject "+(i+1)+" out of 100:");
16
             externalm[i]=ss.nextInt();
17
18
19
```

16

test2.java ×

testing.iava ×

/*Write a Java program to create an account class.

```
Student.iava ×
                     StudentMain.iava ×
                                        interfaces.iava •
                                                        generics.java
                                                                       factorialexception.java •
                                                                                            /*Write a Java program to create an account class.
     /*Create a package CIE which has two classes- Student and Internals. The class Personal has
      members like usn, name, sem. The class internals 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.*/
      import cie.*;
      import see.*:
      import java.util.Scanner;
 9
      class StudentMain{
10
11
          public static void main(String args[]){
12
          Scanner ss=new Scanner(System.in);
          System.out.println("Enter the number of students:");
13
14
          int n=ss.nextInt();
          int total[];
15
16
          int i.j:
17
          total=new int[5];
          cie.Internals in[]=new cie.Internals[n];
18
19
          see.External e[]=new see.External[n];
          for(i=0;i<n;i++){
20
21
              in[i]=new cie.Internals();
              e[i]=new see.External();
22
              System.out.println("Enter details of student "+(i+1)+":");
23
              in[i].get();
24
              System.out.println("Enter your internals marks:");
25
26
              in[i].getInternals();
27
              System.out.println("Enter your externals marks:");
28
              e[i].getExternals();
29
30
31
          for(i=0;i<n;i++){
              System.out.println("Student "+(i+1));
32
```

```
∢⊳
       Student.iava ×
                      StudentMain.iava ×
                                        interfaces.iava
                                                                        factorialexception.java •
      import see.*;
      import java.util.Scanner;
      class StudentMain{
10
          public static void main(String args[]){
11
          Scanner ss=new Scanner(System.in);
12
13
          System.out.println("Enter the number of students:");
14
          int n=ss.nextInt();
15
          int total[];
          int i,j;
16
17
          total=new int[5];
18
          cie.Internals in[]=new cie.Internals[n];
19
          see.External e[]=new see.External[n];
          for(i=0;i<n;i++){
20
21
              in[i]=new cie.Internals();
              e[i]=new see.External();
22
              System.out.println("Enter details of student "+(i+1)+":");
23
24
              in[i].get();
25
              System.out.println("Enter your internals marks:");
26
              in[i].getInternals();
27
              System.out.println("Enter your externals marks:");
              e[i].getExternals();
28
29
30
31
          for(i=0;i<n;i++){
32
              System.out.println("Student "+(i+1));
33
              for(j=0;j<5;j++){
34
              total[j]=in[i].marks[j]+(e[i].externalm[j]/2);
35
              System.out.println("The total marks in subject "+(j+1)+":"+total[j]);
36
37
38
39
```

Tab Size: 4

/*Write a Java program to create an account class.

```
C:\Program Files\Java\bin\basic\Student Pack>javac Student.java
C:\Program Files\Java\bin\basic\Student Pack>javac Internals.java
C:\Program Files\Java\bin\basic\Student Pack>javac External.java
C:\Program Files\Java\bin\basic\Student Pack>javac StudentMain.java
C:\Program Files\Java\bin\basic\Student Pack>java StudentMain
Enter the number of students:
Enter details of student 1:
Enter your name:
harshitha
Enter your usn:
1bm1cs090
Enter your semester:
Enter your internals marks:
Enter your marks in subject 1:
Enter your marks in subject 2:
Enter your marks in subject 3:
Enter your marks in subject 4:
Enter your marks in subject 5:
Enter your externals marks:
Enter your marks in subject 1 out of 100:
Enter your marks in subject 2 out of 100:
Enter your marks in subject 3 out of 100:
Enter your marks in subject 4 out of 100:
Enter your marks in subject 5 out of 100:
```

```
Enter your marks in subject 5:
36
Enter your externals marks:
Enter your marks in subject 1 out of 100:
Enter your marks in subject 2 out of 100:
Enter your marks in subject 3 out of 100:
Enter your marks in subject 4 out of 100:
Enter your marks in subject 5 out of 100:
Enter details of student 2:
Enter your name:
kuhsi
Enter your usn:
1bm19cs099
Enter your semester:
Enter your internals marks:
Enter your marks in subject 1:
32
Enter your marks in subject 2:
Enter your marks in subject 3:
Enter your marks in subject 4:
Enter your marks in subject 5:
45
Enter your externals marks:
Enter your marks in subject 1 out of 100:
Enter your marks in subject 2 out of 100:
Enter your marks in subject 3 out of 100:
Enter your marks in subject 4 out of 100:
Enter your marks in subject 5 out of 100:
```

```
1bm19cs099
Enter your semester:
Enter your internals marks:
Enter your marks in subject 1:
32
Enter your marks in subject 2:
31
Enter your marks in subject 3:
Enter your marks in subject 4:
Enter your marks in subject 5:
Enter your externals marks:
Enter your marks in subject 1 out of 100:
Enter your marks in subject 2 out of 100:
Enter your marks in subject 3 out of 100:
Enter your marks in subject 4 out of 100:
Enter your marks in subject 5 out of 100:
Student 1
The total marks in subject 1:65
The total marks in subject 2:90
The total marks in subject 3:85
The total marks in subject 4:45
The total marks in subject 5:80
Student 2
The total marks in subject 1:77
The total marks in subject 2:71
The total marks in subject 3:79
The total marks in subject 4:86
The total marks in subject 5:93
C:\Program Files\Java\bin\basic\Student Pack>_
```