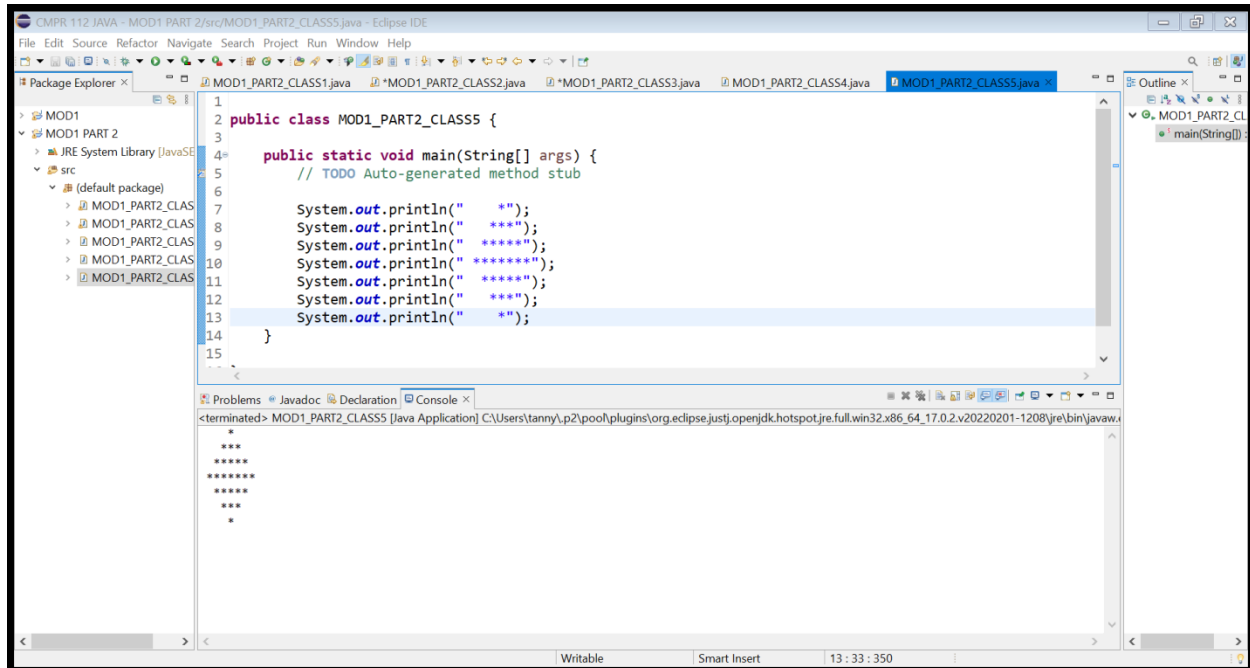


**There are 10 print screens/code copy each worth 10%**

1. Turn to page 106 and complete Q4 the (Star Pattern) program

**#1 Print screen the output with code below here**



The screenshot shows the Eclipse IDE with a Java project named 'MOD1 PART 2'. The Package Explorer on the left shows the project structure. The main editor displays the code for 'MOD1\_PART2\_CLASS5.java'. The code is as follows:

```
1 public class MOD1_PART2_CLASS5 {
2
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6
7         System.out.println("  *");
8         System.out.println("   ***");
9         System.out.println("  *****");
10        System.out.println(" *****");
11        System.out.println(" *****");
12        System.out.println("  ***");
13        System.out.println("  *");
14    }
15 }
```

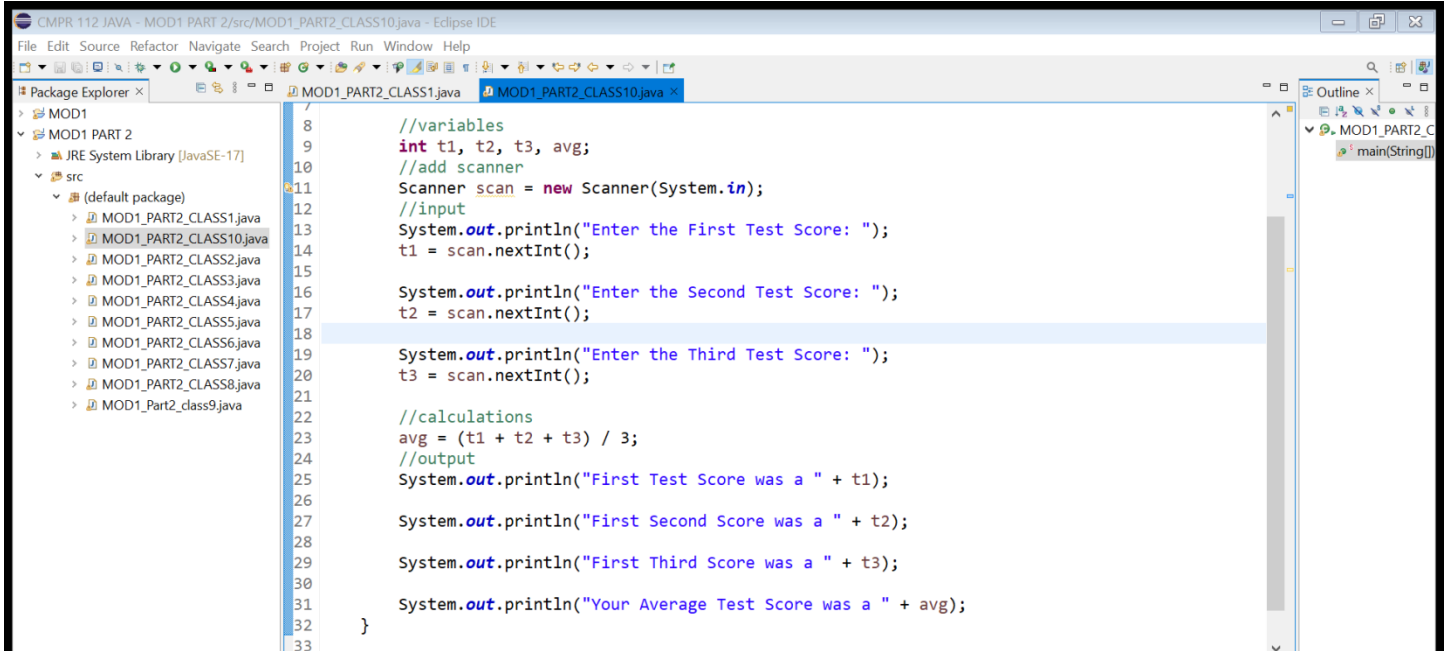
The Console window at the bottom shows the output of the program:

```
<terminated> MOD1_PART2_CLASS5 [Java Application] C:\Users\tanny\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe
*
*****
*****
*****
***
*
```

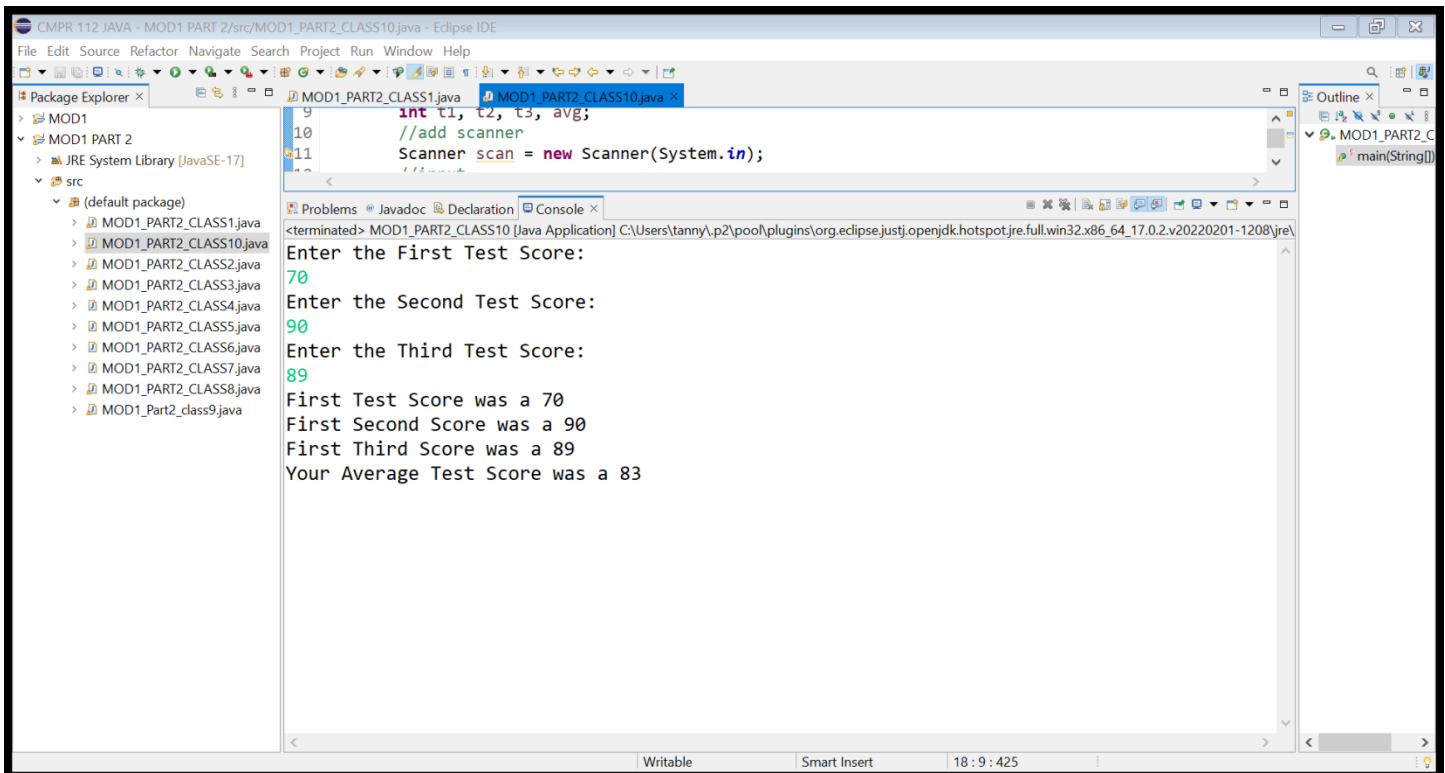
2. Turn to page 107 and complete Q10 the (Test Average) program, use a Scanner and JOptionPane class

**#2 print screen the output with code below here for the Scanner class**

Santa Ana College  
CMPR112  
Week 1 Classroom Exercise #1 Part 2



```
8 //variables
9 int t1, t2, t3, avg;
10 //add scanner
11 Scanner scan = new Scanner(System.in);
12 //input
13 System.out.println("Enter the First Test Score: ");
14 t1 = scan.nextInt();
15
16 System.out.println("Enter the Second Test Score: ");
17 t2 = scan.nextInt();
18
19 System.out.println("Enter the Third Test Score: ");
20 t3 = scan.nextInt();
21
22 //calculations
23 avg = (t1 + t2 + t3) / 3;
24 //output
25 System.out.println("First Test Score was a " + t1);
26
27 System.out.println("First Second Score was a " + t2);
28
29 System.out.println("First Third Score was a " + t3);
30
31 System.out.println("Your Average Test Score was a " + avg);
32 }
33
```



```
<terminated> MOD1_PART2_CLASS10 [Java Application] C:\Users\tanny\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\
Enter the First Test Score:
70
Enter the Second Test Score:
90
Enter the Third Test Score:
89
First Test Score was a 70
First Second Score was a 90
First Third Score was a 89
Your Average Test Score was a 83
```

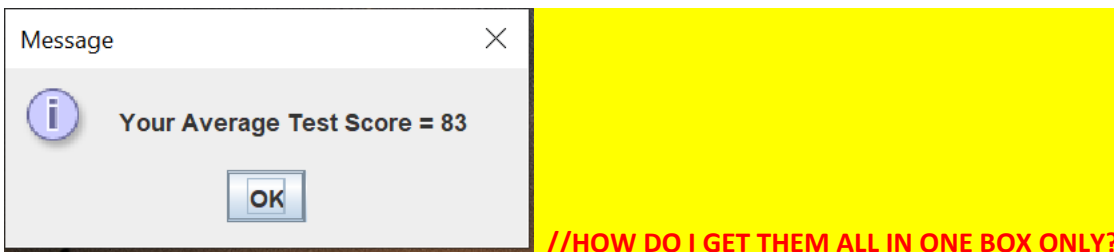
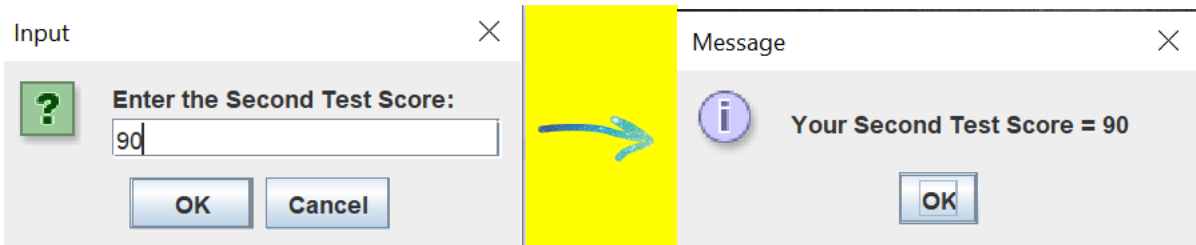
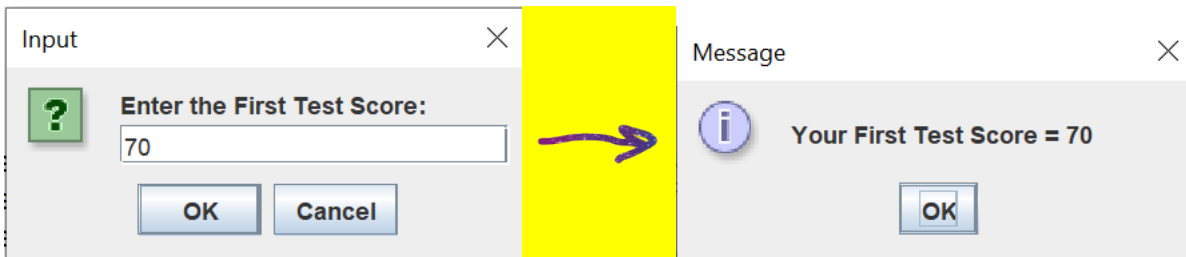
3 print screen the output with code below here for the JOptionPane class

Santa Ana College  
CMPR112  
Week 1 Classroom Exercise #1 Part 2

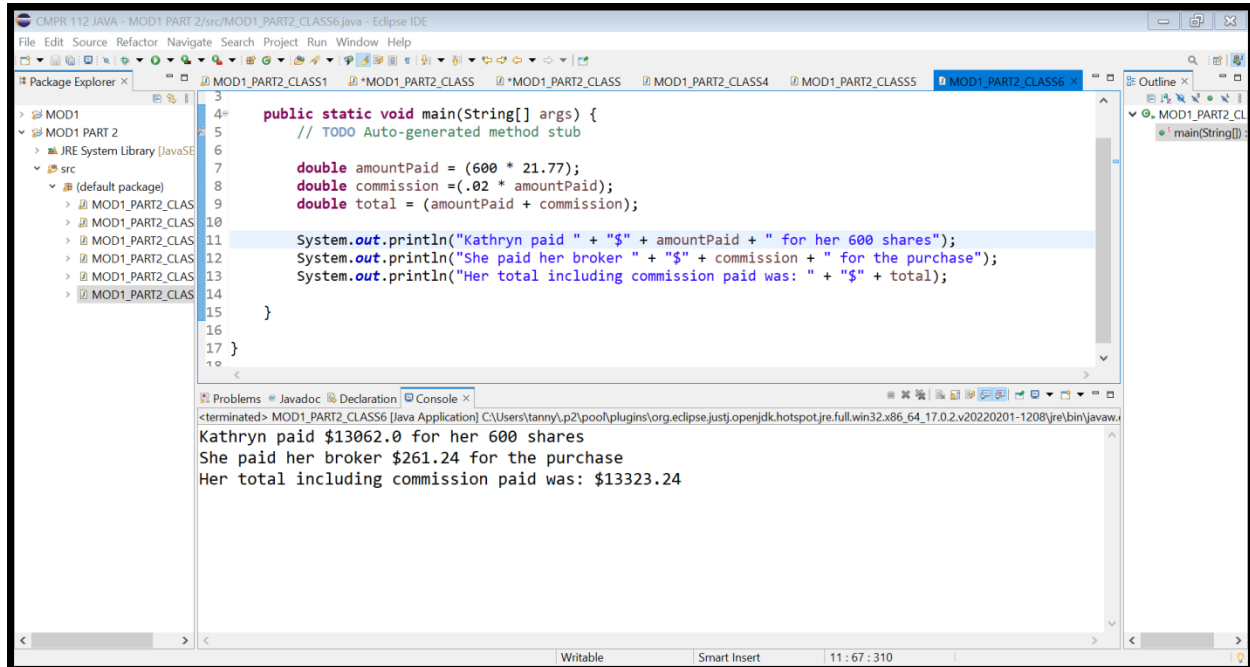
```

6 // TODO Auto-generated method stub
7
8 //variables
9 int t1, t2, t3, avg;
10 String input;
11
12 input =JOptionPane.showInputDialog("Enter the First Test Score: ");
13 t1 = Integer.parseInt(input);
14
15 input =JOptionPane.showInputDialog("Enter the Second Test Score: ");
16 t2 = Integer.parseInt(input);
17
18 input =JOptionPane.showInputDialog("Enter the Third Test Score: ");
19 t3 = Integer.parseInt(input);
20
21 //calculations
22 avg= (t1 + t2 + t3) / 3;
23 //outputs
24
25 JOptionPane.showMessageDialog(null, "Your First Test Score = " + t1);
26 JOptionPane.showMessageDialog(null, "Your Second Test Score = " + t2);
27 JOptionPane.showMessageDialog(null, "Your Third Test Score = " + t3);
28 JOptionPane.showMessageDialog(null, "Your Average Test Score = " + avg);
29
30 }
31

```



#4 print screen the output with code below here



The screenshot shows the Eclipse IDE with a Java project named 'CMPR 112 JAVA - MOD1 PART 2'. The package explorer on the left shows the project structure. The main editor displays the code for 'MOD1\_PART2\_CLASS6.java'. The code calculates the total cost for Kathryn, including the stock price, commission, and total amount. The console at the bottom shows the output of the program.

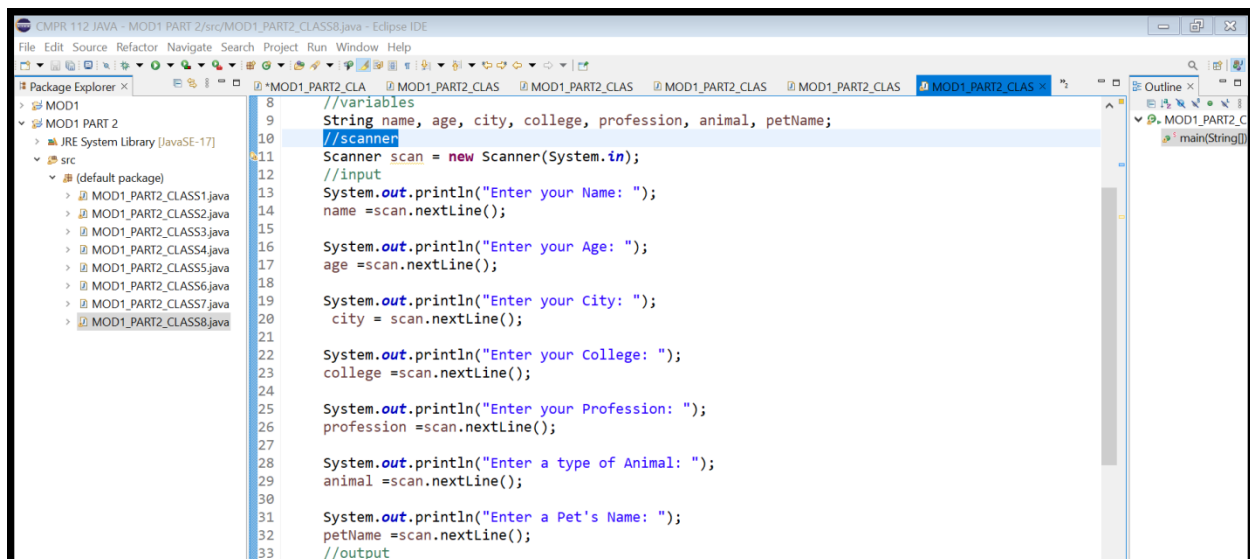
```
public static void main(String[] args) {  
    // TODO Auto-generated method stub  
  
    double amountPaid = (600 * 21.77);  
    double commission = (.02 * amountPaid);  
    double total = (amountPaid + commission);  
  
    System.out.println("Kathryn paid " + "$" + amountPaid + " for her 600 shares");  
    System.out.println("She paid her broker " + "$" + commission + " for the purchase");  
    System.out.println("Her total including commission paid was: " + "$" + total);  
}
```

Console Output:

```
Kathryn paid $13062.0 for her 600 shares  
She paid her broker $261.24 for the purchase  
Her total including commission paid was: $13323.24
```

3. Turn to page 108-109 and complete Q18 the (Word Game) program

#5 print screen the output with code below here



The screenshot shows the Eclipse IDE with a Java project named 'CMPR 112 JAVA - MOD1 PART 2'. The package explorer on the left shows the project structure. The main editor displays the code for 'MOD1\_PART2\_CLASS8.java'. The code uses a Scanner to collect user input for various attributes like name, age, city, college, profession, animal, and pet name. The console at the bottom shows the output of the program.

```
//variables  
String name, age, city, college, profession, animal, petName;  
  
//scanner  
Scanner scan = new Scanner(System.in);  
  
//input  
System.out.println("Enter your Name: ");  
name = scan.nextLine();  
  
System.out.println("Enter your Age: ");  
age = scan.nextLine();  
  
System.out.println("Enter your City: ");  
city = scan.nextLine();  
  
System.out.println("Enter your College: ");  
college = scan.nextLine();  
  
System.out.println("Enter your Profession: ");  
profession = scan.nextLine();  
  
System.out.println("Enter a type of Animal: ");  
animal = scan.nextLine();  
  
System.out.println("Enter a Pet's Name: ");  
petName = scan.nextLine();  
  
//output
```

Santa Ana College

CMPR112

Week 1 Classroom Exercise #1 Part 2

```
34 System.out.println("There once was a person named " + name + " who lived in " +
35 city + " " + "At the age of " + age + ",\n" + name + " went to college at " + college
36 + " " + name + " graduated and went to work as a\n" + profession + " " + "Then, " + name
37 + " adopted a " + animal + " named " + petName + " " + "They both lived\nhappily ever after!");
```

Enter your Name:  
Tany  
Enter your Age:  
26  
Enter your City:  
Santa Ana  
Enter your College:  
UCI  
Enter your Profession:  
Professional Slacker  
Enter a type of Animal:  
Tiger  
Enter a Pet's Name:  
Tilly  
There once was a person named Tany who lived in Santa Ana. At the age of 26,  
Tany went to college at UCI. Tany graduated and went to work as a  
Professional Slacker. Then, Tany adopted a Tiger named Tilly. They both lived  
happily ever after!

**Submit this document to Module 1 Class Exercise #1**