

Be sure to write the code and output the results

Project #1

Name, Age, and Annual Income

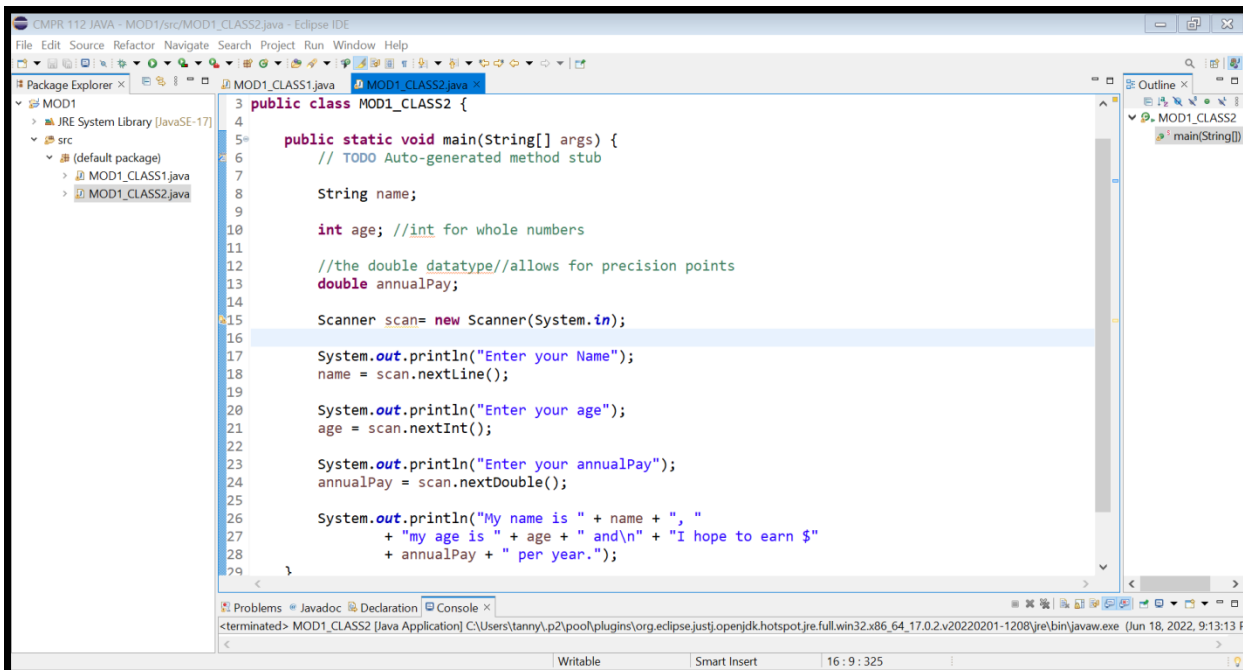
Write a program that declares the following:

- a `String` variable named `name`
- an `int` variable named `age`
- a `double` variable named `annualPay`

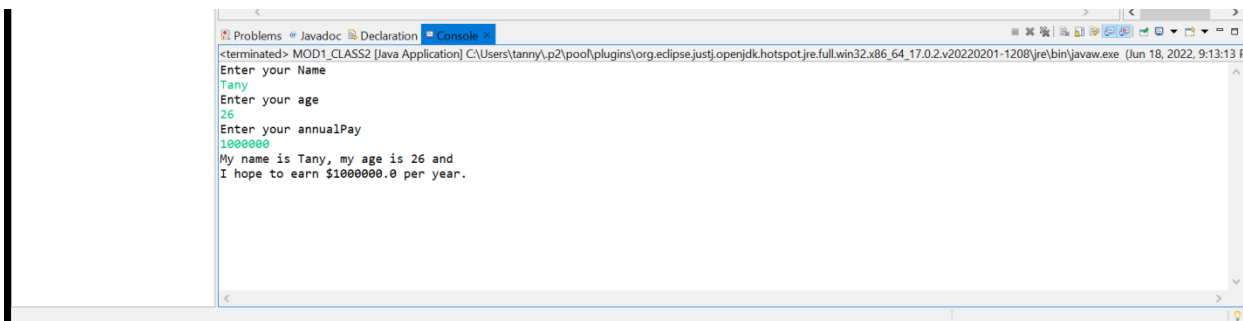
Store your age, name, and desired annual income as literals in these variables. The program should display these values on the screen in a manner similar to the following:

```
My name is Joe Mahoney, my age is 26 and  
I hope to earn $100000.0 per year.
```

#1 Print screen your code and results below here



```
CMPR 112 JAVA - MOD1/src/MOD1_CLASS2.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer | MOD1_CLASS1.java | MOD1_CLASS2.java
MOD1
  JRE System Library [JavaSE-17]
  src
    (default package)
      MOD1_CLASS1.java
      MOD1_CLASS2.java
MOD1_CLASS2.java
3 public class MOD1_CLASS2 {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7
8         String name;
9
10        int age; //int for whole numbers
11
12        //the double datatype//allows for precision points
13        double annualPay;
14
15        Scanner scan= new Scanner(System.in);
16
17        System.out.println("Enter your Name");
18        name = scan.nextLine();
19
20        System.out.println("Enter your age");
21        age = scan.nextInt();
22
23        System.out.println("Enter your annualPay");
24        annualPay = scan.nextDouble();
25
26        System.out.println("My name is " + name + ", "
27                            + "my age is " + age + " and\n" + "I hope to earn $"
28                            + annualPay + " per year.");
29    }
30 }
```



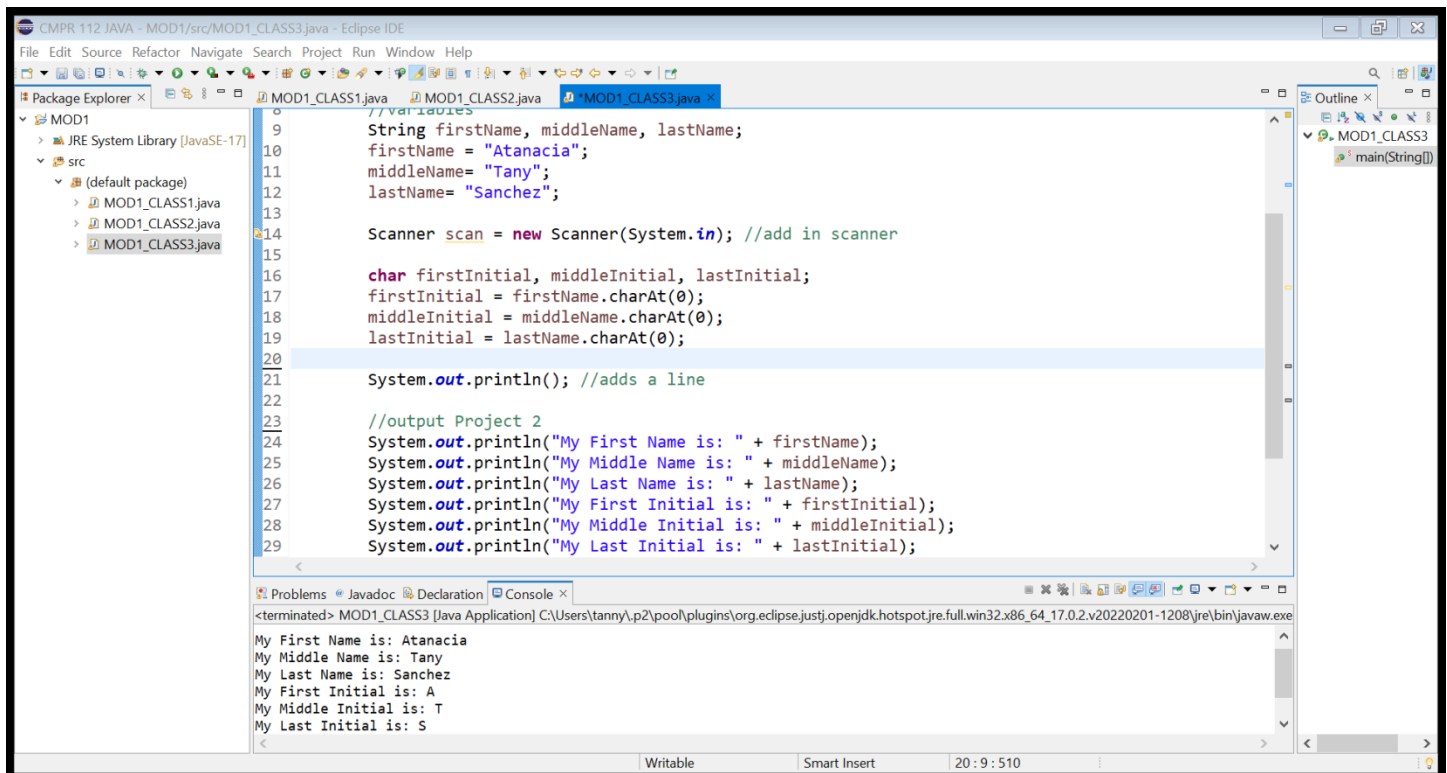
```
Problems | Javadoc | Declaration | Console
<terminated> MOD1_CLASS2 [Java Application] C:\Users\tanny\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (Jun 18, 2022, 9:13:13 PM)
Enter your Name
Tany
Enter your age
26
Enter your annualPay
1000000
My name is Tany, my age is 26 and
I hope to earn $1000000.0 per year.
```

Project #2**Name and Initials**

Write a program that has the following `String` variables: `firstName`, `middleName`, and `lastName`.

Initialize these with your first, middle, and last names. The program should also have the following `char` variables: `firstInitial`, `middleInitial`, and `lastInitial`. Store your first, middle, and last initials in these variables. The program should display the contents of these variables on the screen.

#2 Print screen your code and results below here



```
CMRPR 112 JAVA - MOD1/src/MOD1_CLASS3.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
MOD1_CLASS1.java MOD1_CLASS2.java MOD1_CLASS3.java
// variables
9 String firstName, middleName, lastName;
10 firstName = "Atanacia";
11 middleName = "Tany";
12 lastName = "Sanchez";
13
14 Scanner scan = new Scanner(System.in); //add in scanner
15
16 char firstInitial, middleInitial, lastInitial;
17 firstInitial = firstName.charAt(0);
18 middleInitial = middleName.charAt(0);
19 lastInitial = lastName.charAt(0);
20
21 System.out.println(); //adds a line
22
23 //output Project 2
24 System.out.println("My First Name is: " + firstName);
25 System.out.println("My Middle Name is: " + middleName);
26 System.out.println("My Last Name is: " + lastName);
27 System.out.println("My First Initial is: " + firstInitial);
28 System.out.println("My Middle Initial is: " + middleInitial);
29 System.out.println("My Last Initial is: " + lastInitial);

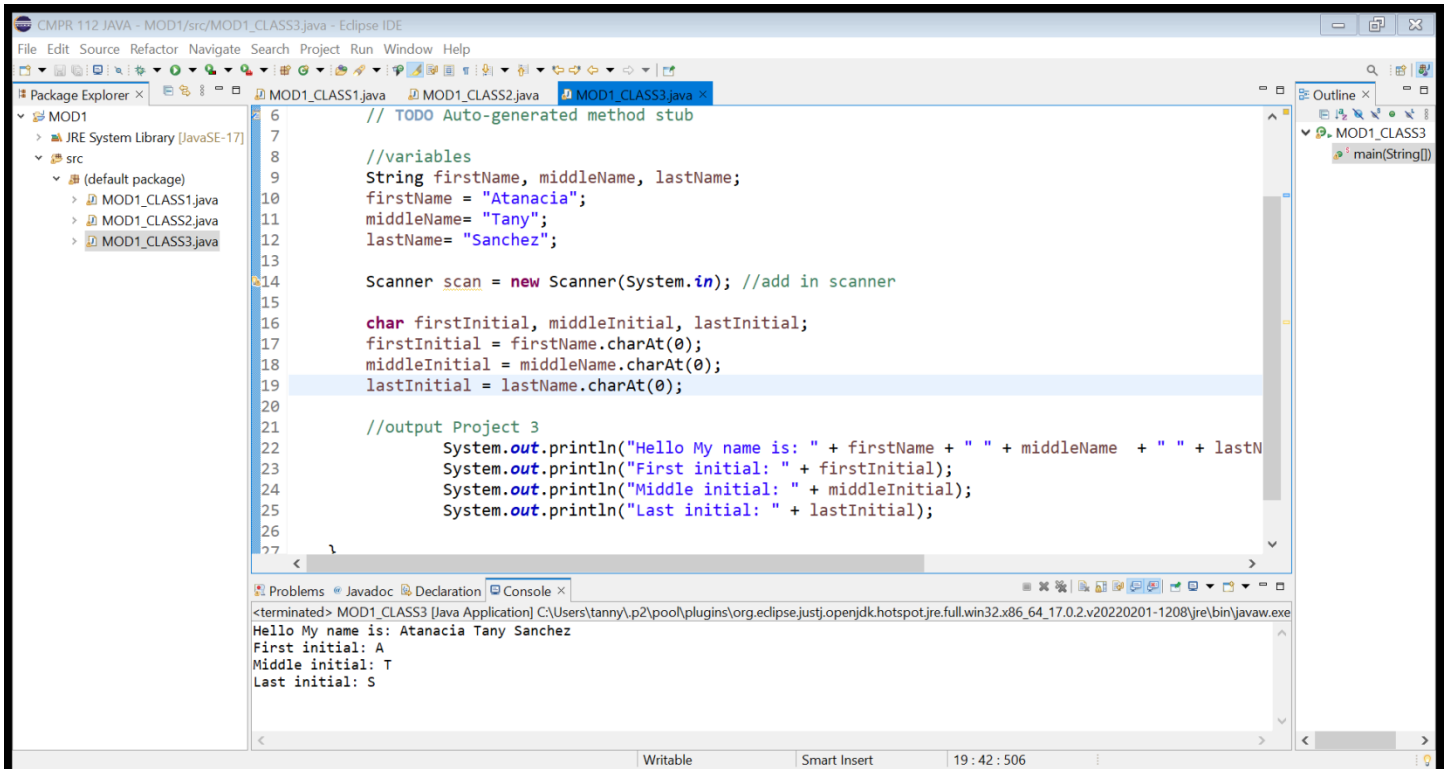
<terminated> MOD1_CLASS3 [Java Application] C:\Users\tanny\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe
My First Name is: Atanacia
My Middle Name is: Tany
My Last Name is: Sanchez
My First Initial is: A
My Middle Initial is: T
My Last Initial is: S
```

Project #3**Name and Initials**

Write a program that has the following `String` variables: `firstName`, `middleName`, and `lastName`.

Initialize these with your first, middle, and last names. The program should also have the following `char` variables: `firstInitial`, `middleInitial`, and `lastInitial`. Store your first, middle, and last initials in these variables. The program should display the contents of these variables on the screen.

#3 Print screen your code and results below here



```
CMRPR 112 JAVA - MOD1/src/MOD1_CLASS3.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
MOD1_CLASS1.java MOD1_CLASS2.java MOD1_CLASS3.java
MOD1
  JRE System Library [JavaSE-17]
  src
    (default package)
      MOD1_CLASS1.java
      MOD1_CLASS2.java
      MOD1_CLASS3.java
6 // TODO Auto-generated method stub
7
8 //variables
9 String firstName, middleName, lastName;
10 firstName = "Atanacia";
11 middleName = "Tany";
12 lastName = "Sanchez";
13
14 Scanner scan = new Scanner(System.in); //add in scanner
15
16 char firstInitial, middleInitial, lastInitial;
17 firstInitial = firstName.charAt(0);
18 middleInitial = middleName.charAt(0);
19 lastInitial = lastName.charAt(0);
20
21 //output Project 3
22 System.out.println("Hello My name is: " + firstName + " " + middleName + " " + lastName);
23 System.out.println("First initial: " + firstInitial);
24 System.out.println("Middle initial: " + middleInitial);
25 System.out.println("Last initial: " + lastInitial);
26
27
<terminated> MOD1_CLASS3 [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
Hello My name is: Atanacia Tany Sanchez
First initial: A
Middle initial: T
Last initial: S
Writable Smart Insert 19:42:506
```

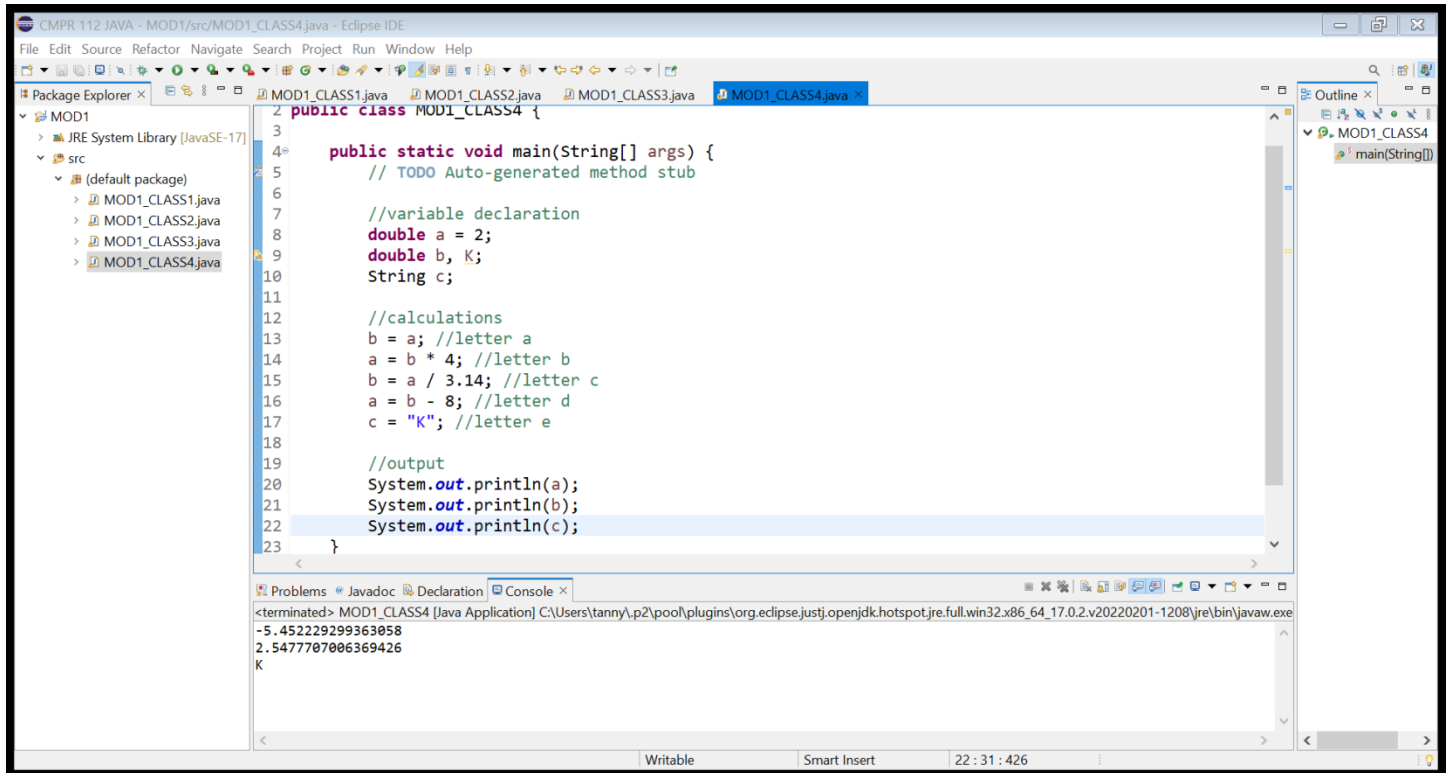
CMPR112

Week 1 Classroom Exercise #1 Part 1

Project #4

Turn to page 103 and complete algorithm work bench #3

#4 Print screen your code and results below here



The screenshot displays the Eclipse IDE interface. The main editor window shows the source code for `MOD1_CLASS4.java`. The code defines a `public class MOD1_CLASS4` with a `main` method. Inside the `main` method, there are variable declarations for `a` (double), `b` (double), and `c` (String). Calculations are performed on `a` and `b`, and the results are printed to the console using `System.out.println`.

```
2 public class MOD1_CLASS4 {
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6
7         //variable declaration
8         double a = 2;
9         double b, K;
10        String c;
11
12        //calculations
13        b = a; //letter a
14        a = b * 4; //letter b
15        b = a / 3.14; //letter c
16        a = b - 8; //letter d
17        c = "K"; //letter e
18
19        //output
20        System.out.println(a);
21        System.out.println(b);
22        System.out.println(c);
23    }
24 }
```

The Package Explorer on the left shows the project structure with `MOD1` containing `MOD1_CLASS1.java`, `MOD1_CLASS2.java`, `MOD1_CLASS3.java`, and `MOD1_CLASS4.java`. The Outline view on the right shows the `main(String[] args)` method.

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

```
<terminated> MOD1_CLASS4 [Java Application] C:\Users\tanny\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe
-5.452229299363058
2.5477707006369426
K
```

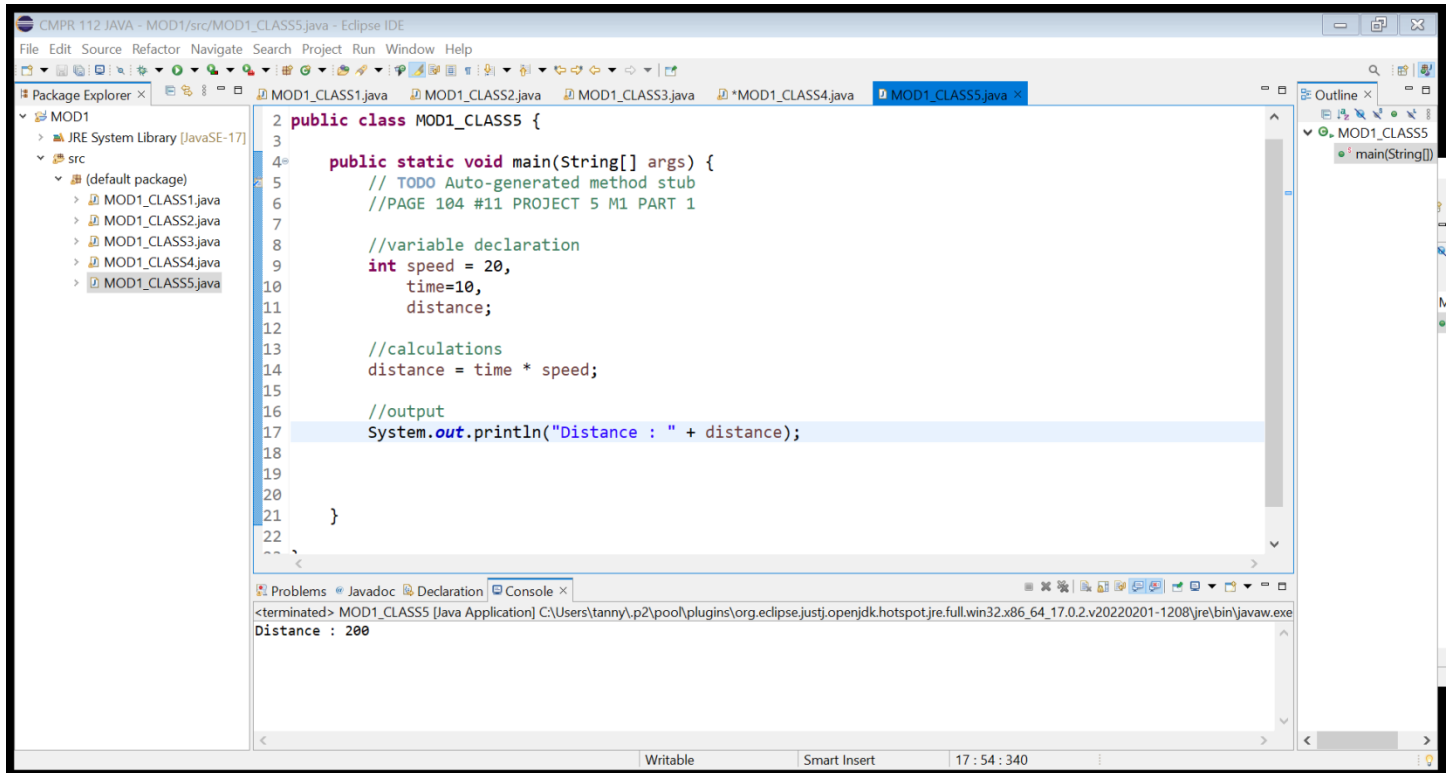
CMPR112

Week 1 Classroom Exercise #1 Part 1

Project #5

Turn to page 104 and complete #11

#5 Print screen your code and results below here



The screenshot displays the Eclipse IDE interface. The Package Explorer on the left shows a project named 'MOD1' with a source folder 'src' containing files MOD1_CLASS1.java through MOD1_CLASS5.java. The main editor window shows the code for MOD1_CLASS5.java. The code defines a public class MOD1_CLASS5 with a main method. Inside the main method, it initializes speed to 20, time to 10, and distance. It then calculates distance as time multiplied by speed and prints the result using System.out.println. The console at the bottom shows the output 'Distance : 200'.

```
1 public class MOD1_CLASS5 {  
2  
3  
4     public static void main(String[] args) {  
5         // TODO Auto-generated method stub  
6         //PAGE 104 #11 PROJECT 5 M1 PART 1  
7  
8         //variable declaration  
9         int speed = 20,  
10            time=10,  
11            distance;  
12  
13        //calculations  
14        distance = time * speed;  
15  
16        //output  
17        System.out.println("Distance : " + distance);  
18  
19  
20  
21    }  
22  
23 }
```

Console Output:
<terminated> MOD1_CLASS5 [Java Application] C:\Users\tanny\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe
Distance : 200

Submit this document to Module 1 Classroom Exercise