

## CMSC203 Assignment 0

Class: CMSC203 CRN XXXX

Program: Assignment 0

Instructor:

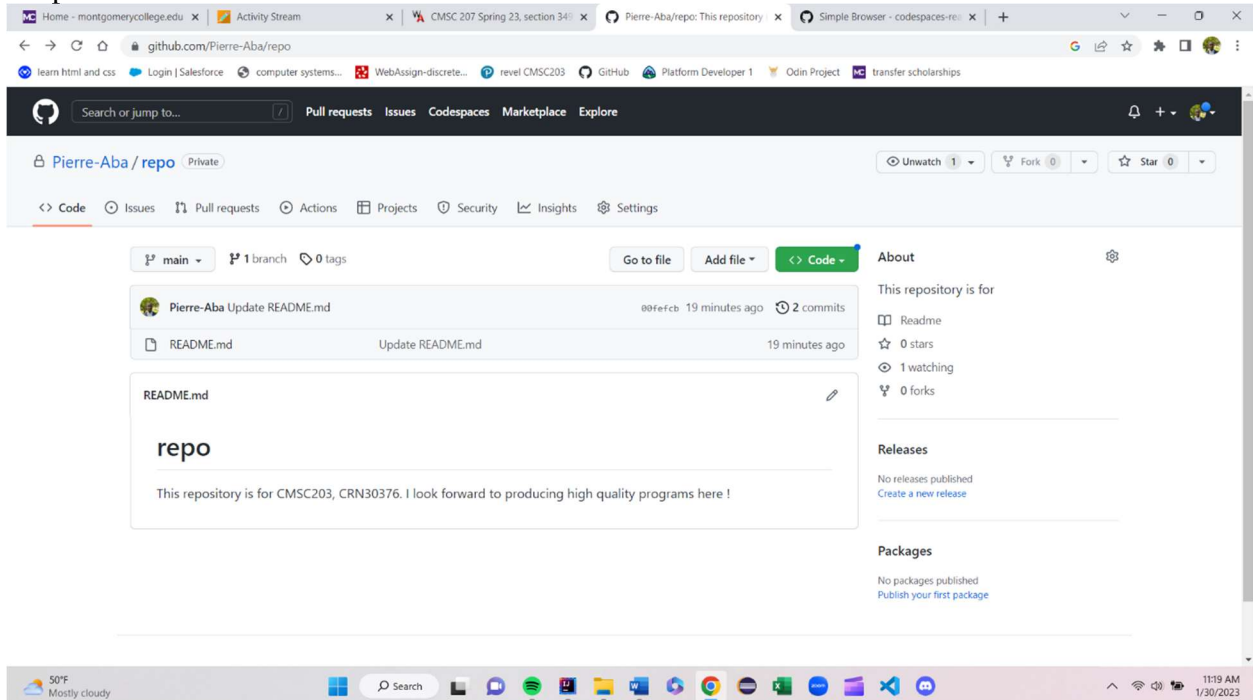
Summary of Description: (Give a brief description for each Program) A program that requires you to use functions to calculate the volume of a box and the volume of a Sphere.

Due Date: MM/DD/YYYY

Integrity Pledge: I pledge that I have completed the programming assignment independently. I have not copied the code from a student or any source.

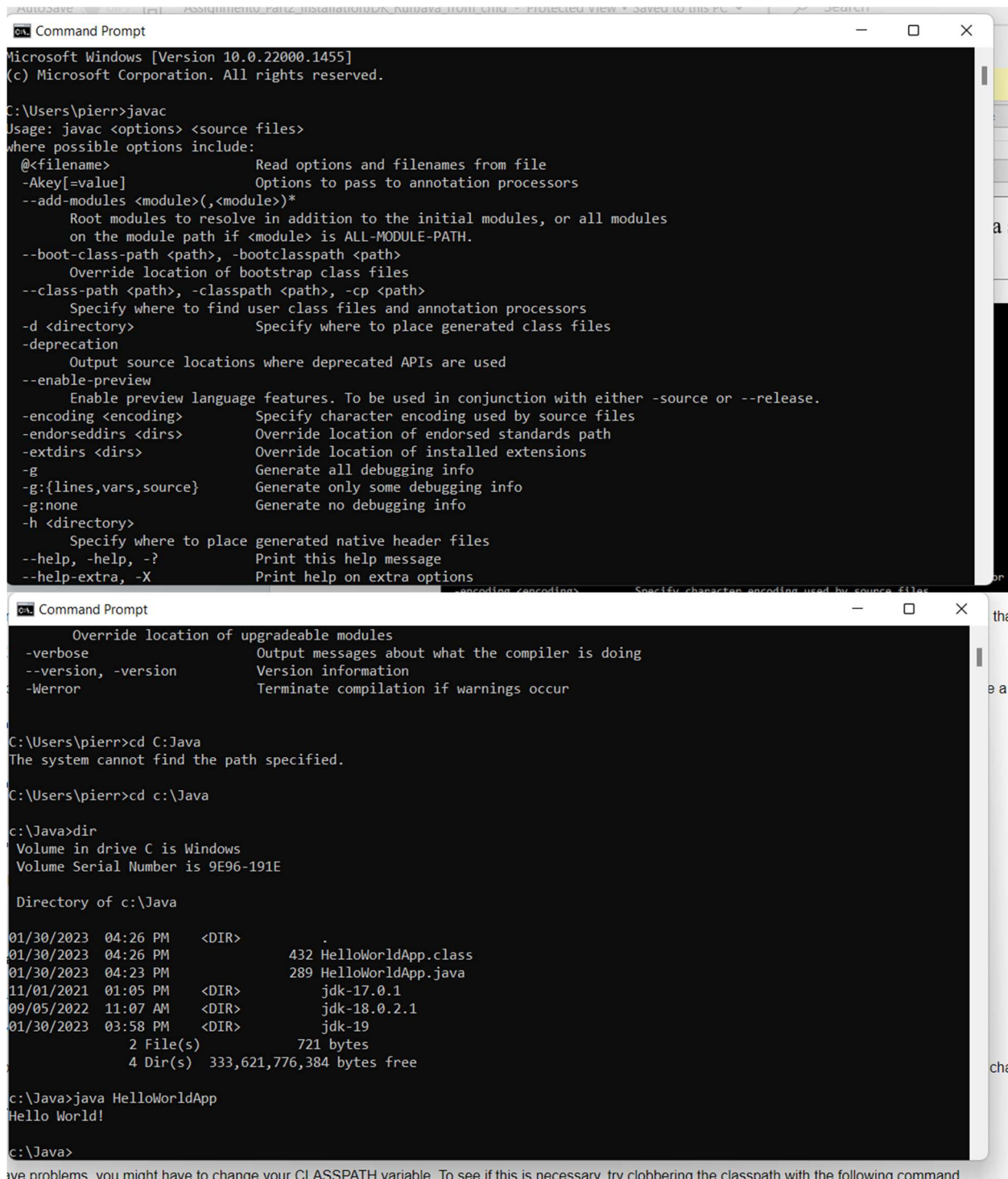
**Complete the following five parts of Assignment 0. Name your file as FirstInitialLastName\_Assignment0.docx**

**Part1: Setup GitHub:** Provide the screen shots of your GitHub account with Assignment 0 file is uploaded on GitHub:



**Part 2 -Install JDK, Test java Application from Command Line**

Provide the screen shots from Step 1 and 2 here:



```
Command Prompt
Microsoft Windows [Version 10.0.22000.1455]
(c) Microsoft Corporation. All rights reserved.

C:\Users\pierr>javac
Usage: javac <options> <source files>
where possible options include:
  @<filename>           Read options and filenames from file
  -Akey[=value]          Options to pass to annotation processors
  --add-modules <module>(<module>)*
                        Root modules to resolve in addition to the initial modules, or all modules
                        on the module path if <module> is ALL-MODULE-PATH.
  --boot-class-path <path>, -bootclasspath <path>
                        Override location of bootstrap class files
  --class-path <path>, -classpath <path>, -cp <path>
                        Specify where to find user class files and annotation processors
  -d <directory>         Specify where to place generated class files
  -deprecation           Output source locations where deprecated APIs are used
  --enable-preview       Enable preview language features. To be used in conjunction with either -source or --release.
  -encoding <encoding>   Specify character encoding used by source files
  -endorseddirs <dirs>   Override location of endorsed standards path
  -extdirs <dirs>        Override location of installed extensions
  -g                    Generate all debugging info
  -g:{lines,vars,source} Generate only some debugging info
  -g:none               Generate no debugging info
  -h <directory>        Specify where to place generated native header files
  --help, -help, -?     Print this help message
  --help-extra, -X      Print help on extra options

  Override location of upgradeable modules
  -verbose              Output messages about what the compiler is doing
  --version, -version   Version information
  -Werror               Terminate compilation if warnings occur

C:\Users\pierr>cd C:\Java
The system cannot find the path specified.

C:\Users\pierr>cd c:\Java

c:\Java>dir
Volume in drive C is Windows
Volume Serial Number is 9E96-191E

Directory of c:\Java

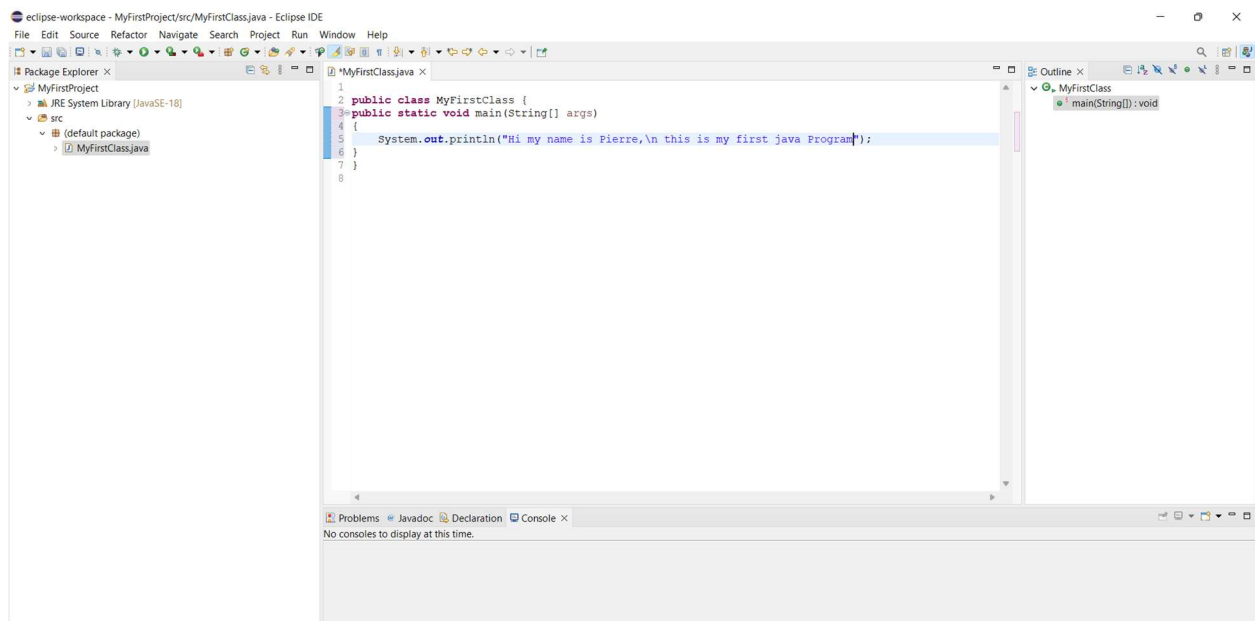
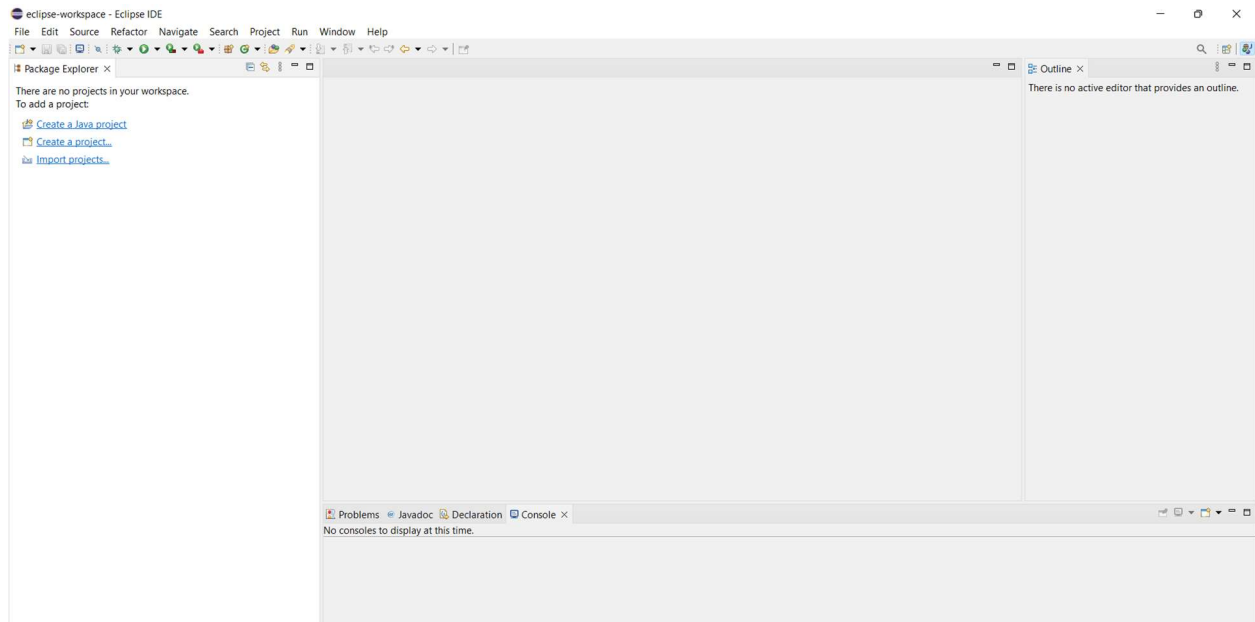
01/30/2023  04:26 PM  <DIR>          .
01/30/2023  04:26 PM                432 HelloWorldApp.class
01/30/2023  04:23 PM                289 HelloWorldApp.java
11/01/2021  01:05 PM  <DIR>          jdk-17.0.1
09/05/2022  11:07 AM  <DIR>          jdk-18.0.2.1
01/30/2023  03:58 PM  <DIR>          jdk-19
                2 File(s)              721 bytes
                4 Dir(s)  333,621,776,384 bytes free

c:\Java>java HelloWorldApp
Hello World!

c:\Java>
```

### Part 3 - Install Eclipse, Test Eclipse Java Application

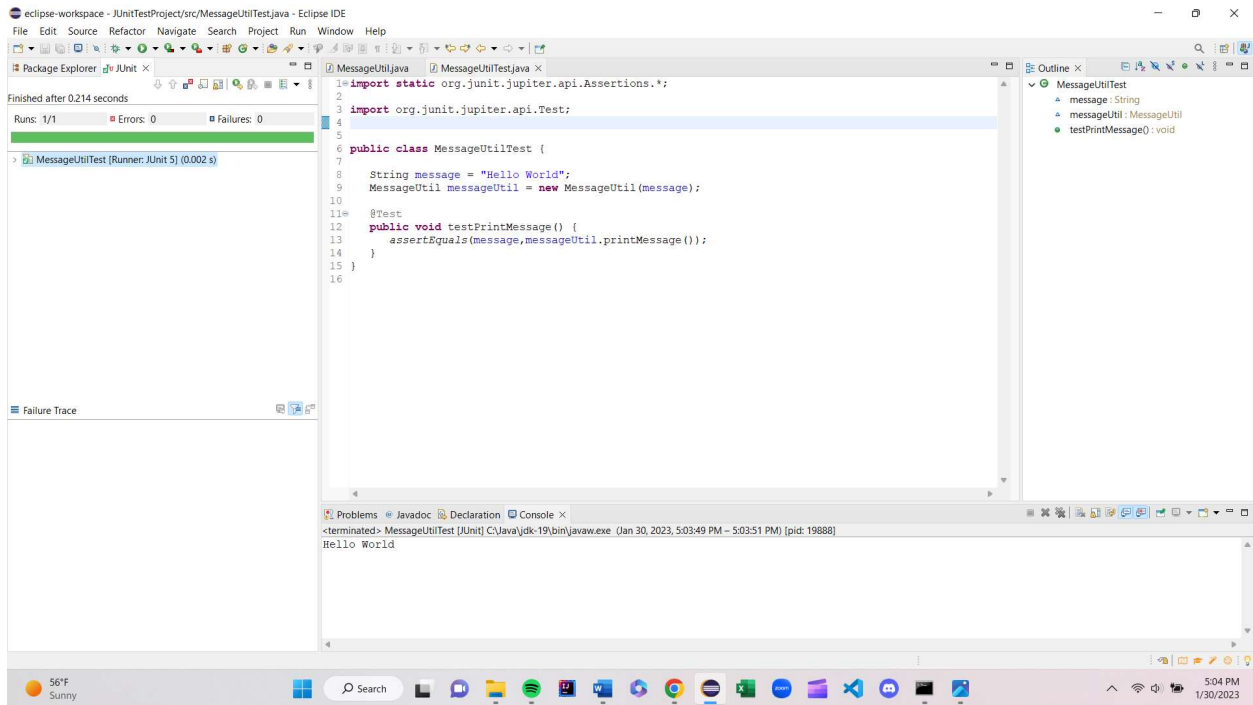
Provide the screen shots from Step 1 and 2 here:



## Part 4 - Install, Setup, Test JUnit Program.

Provide the screen shots showing:

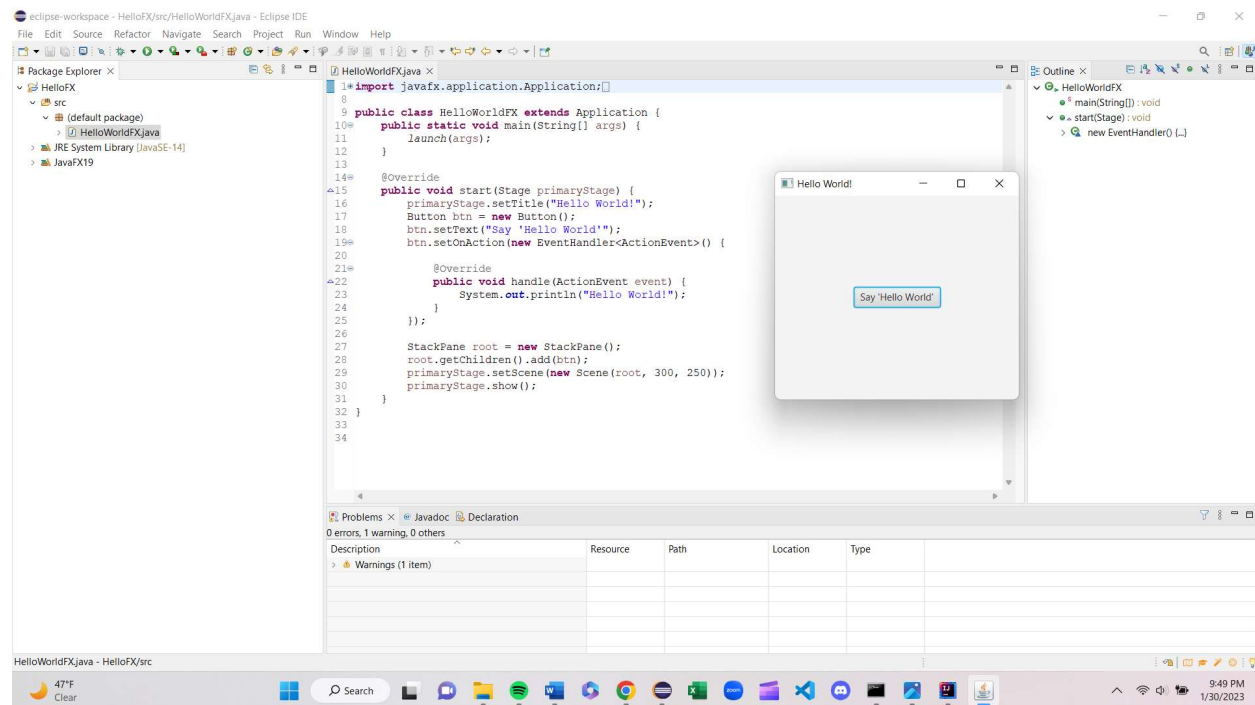
- Eclipse with working JUnit Test example
- Project screenshot
- Running example screenshot



## Part 5 - Install, Setup, and Test JavaFX Application.

Provide the screen shots showing:

- JavaFX Project screenshot
- Running example screenshot
- Java Source Code File



**Lessons Learned** <Provide answers to the questions listed below>:

Write about your Learning Experience, highlighting your lessons learned and learning experience from working on this assignment.

What have you learned? I learned how tedious it is to manage version control of IDE's and the like.

What did you struggle with? I had so many times failed to follow the instructions because the different versions of Java had details I had to figure out on my own.

What parts of this assignment were you successful with, and what parts (if any) were you not successful with? I eventually got everything done, but I don't feel like I learned really the meaning behind the way I installed the applications

Provide any additional resources/links/videos you used to while working on this assignment.

**Check List:** <Provide answers to the column Y/N or N/A >:

| #  |   | Y/N | Comments |
|----|---|-----|----------|
| 1. | <b>Assignment files:</b>  |     |          |
|    | • FirstInitialLastName Assignment0.docx/pdf                     | Yes |          |
|    | • Source java files   | Yes |          |
| 2. | <b>Program compiles</b>   | Yes |          |
| 3. | <b>Program runs with desired outputs related to a Test Plan</b> | Yes |          |
| 4. | <b>Documentation file: Screenshots of</b>                       |     |          |
|    | • Part1: Setup GitHub   | Yes |          |
|    | • Part 2 -Install JDK, Test java Application from Command Line  | Yes |          |
|    | • Part 3 - Install Eclipse, Test Eclipse Java Application       | Yes |          |
|    | • Part 4 - Install, Setup, Test Junit Program                   | Yes |          |
|    | • Part 5 - Install, Setup, and Test JavaFX Application.         | Yes |          |
|    | • Lessons Learned   | Yes |          |
|    | • Checklist is completed and included in the Documentation      | Yes |          |

