

CMSC203 Assignment 0

Class: CMSC203 CRN 21076

Program: Assignment 0

Instructor: Khandan Vahabzadeh Monshi

Summary of Description: Setup GitHub, Install and setup JDK, install and setup Eclipse and JavaFX

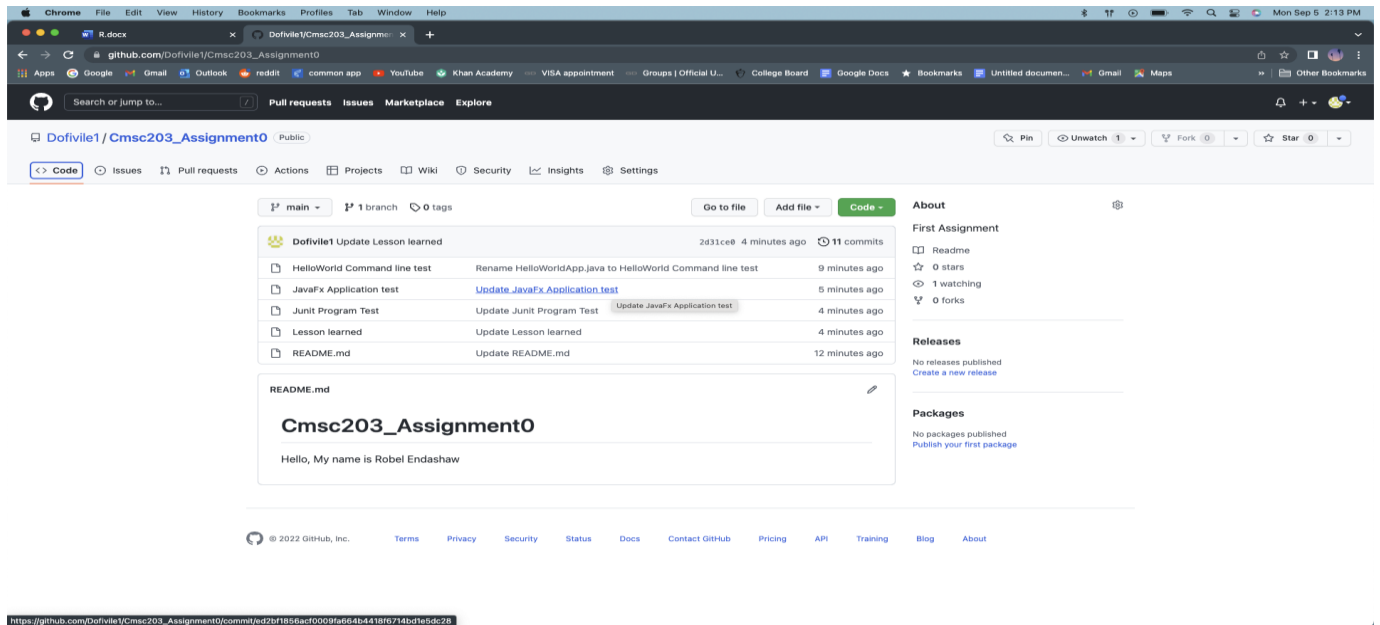
Due Date: 09/05/2022

Integrity Pledge: I pledge that I have completed the programming assignment independently.

I have not copied the code from a student or any source

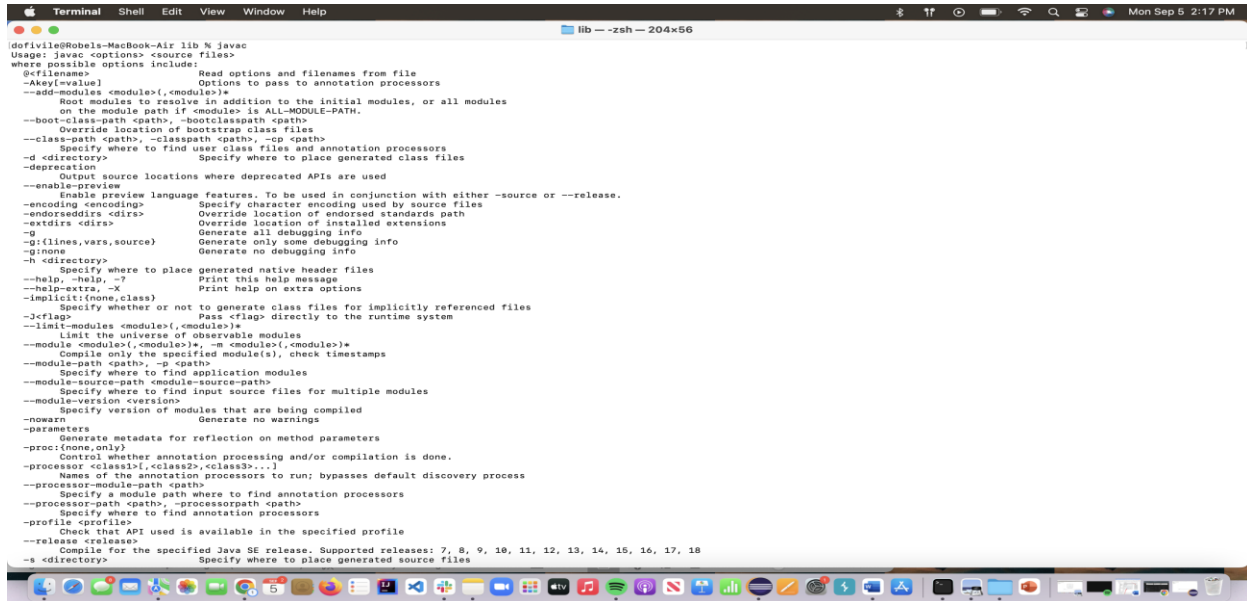
Complete the following five parts of Assignment 0:

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

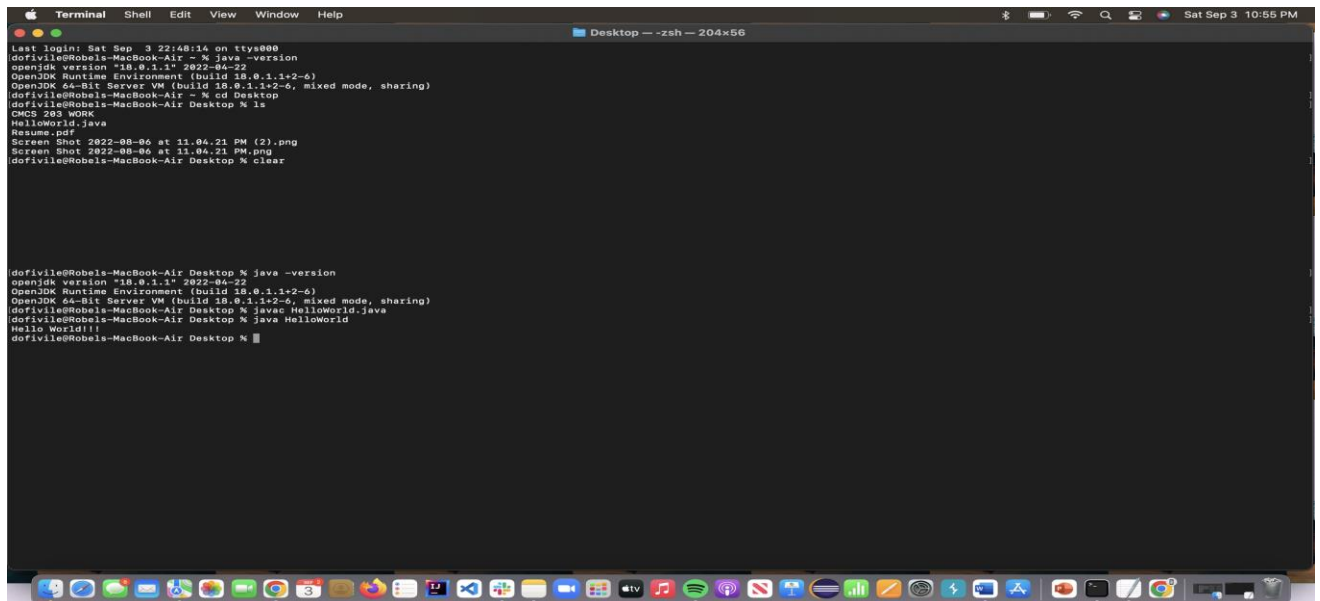


Part 2 -Install JDK, Test java Application from Command Line

Provide the screen shots from Step 1 and 2 here:



```
dorville@Robels-MacBook-Air lib % 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>
    Override location of bootstrap class files
  --class-path <path>
    Override location of 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
  --implicit:(<none,class>)
    Specify whether or not to generate class files for implicitly referenced files
  --jflags
    Pass <flag> directly to the runtime system
  --limit-modules <module>[,<module>]*
    Limit the universe of observable modules
  --module <module>[,<module>]*, --module <module>[,<module>]*
    Compile only the specified module(s), check timestamps
  --module-path <path>
    Specify where to find application modules
  --module-source-path <module-source-path>
    Specify where to find input source files for multiple modules
  --module-version <version>
    Specify version of modules that are being compiled
  --nowarn
    Generate no warnings
  --parameters
    Generate metadata for reflection on method parameters
  --proc(<none,only>)
    Control whether annotation processing and/or compilation is done.
  --processor <class1[,<class2>[,<class3>...]]
    Names of the annotation processors to run; bypasses default discovery process
  --processor-module-path <path>
    Specify a module path where to find annotation processors
  --processor-path <path>
    Specify where to find annotation processors
  --profile <profile>
    Check that API used is available in the specified profile
  --release <release>
    Compile for the specified Java SE release. Supported releases: 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18
  -s <directory>
    Specify where to place generated source files
```



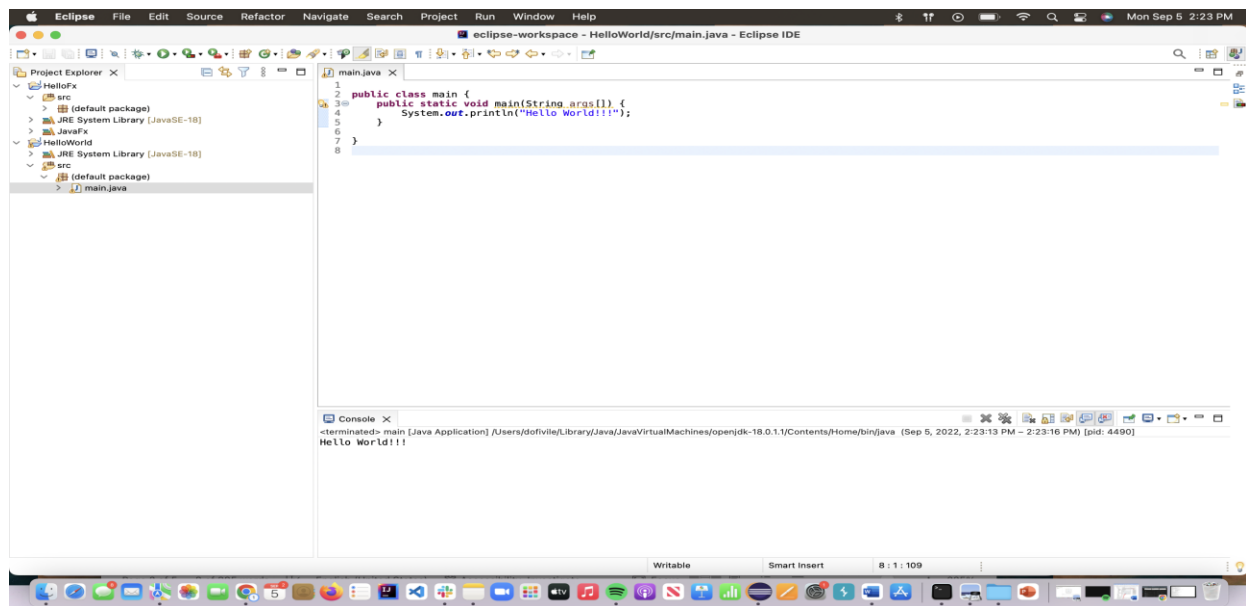
```
Last login: Sat Sep 3 22:48:14 on ttys000
dorville@Robels-MacBook-Air ~ % java -version
openjdk version "18.0.1.1" 2022-04-22
OpenJDK Runtime Environment (build 18.0.1.1+2-6)
OpenJDK 64-Bit Server VM (build 18.0.1.1+2-6, mixed mode, sharing)
dorville@Robels-MacBook-Air ~ % cd Desktop
dorville@Robels-MacBook-Air Desktop % ls
CH3D 203 WORK
Helloworld.java
Resume.pdf
Screen Shot 2022-08-06 at 11.04.21 PM (2).png
Screen Shot 2022-08-06 at 11.04.21 PM.png
dorville@Robels-MacBook-Air Desktop % clear

dorville@Robels-MacBook-Air Desktop % java -version
openjdk version "18.0.1.1" 2022-04-22
OpenJDK Runtime Environment (build 18.0.1.1+2-6)
OpenJDK 64-Bit Server VM (build 18.0.1.1+2-6, mixed mode, sharing)
dorville@Robels-MacBook-Air Desktop % javac Helloworld.java
dorville@Robels-MacBook-Air Desktop % java Helloworld
Hello World!!!
dorville@Robels-MacBook-Air Desktop %
```

Part 3 - Install Eclipse, Test Eclipse Java Application

Provide the screen shots from Step 1 and 2 here:

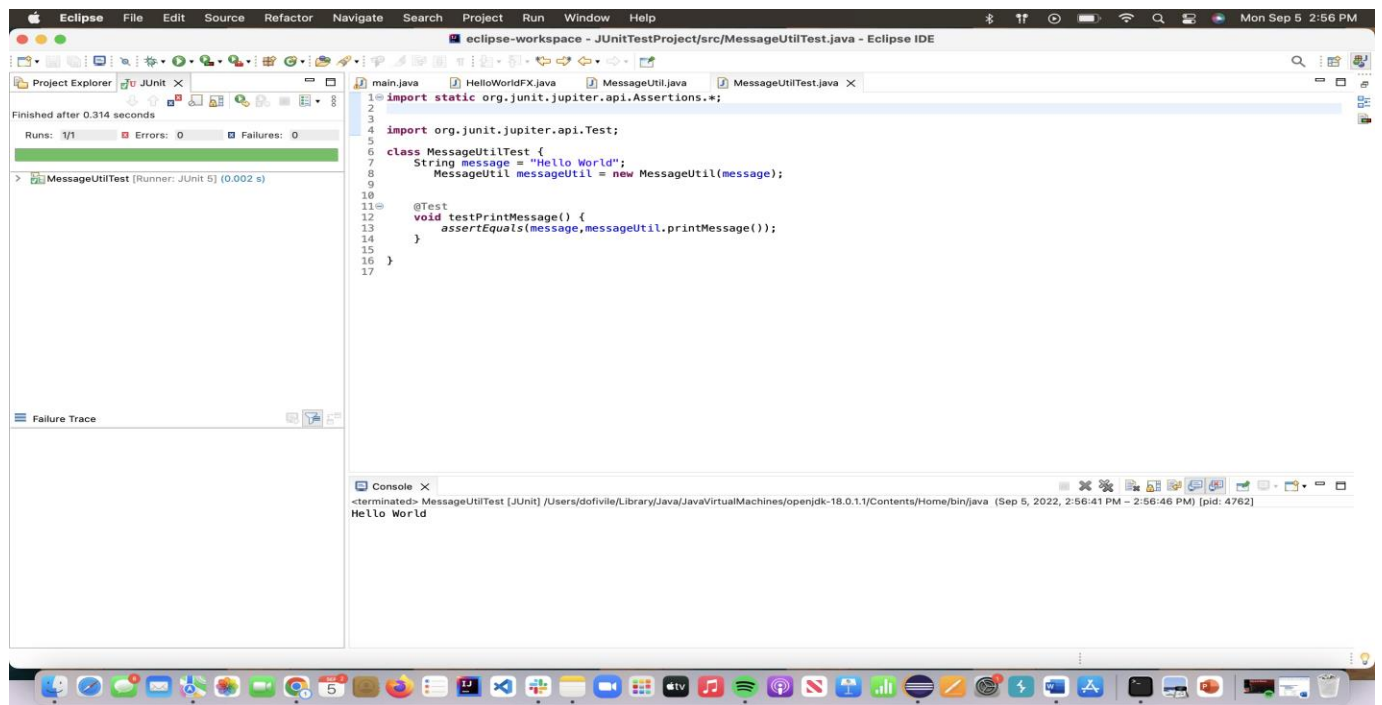
I ALREADY HAD ECLIPSE INSTALLED FOR PERSONAL USE



Part 4 - Install, Setup, Test Junit Program.

Provide the screen shots showing:

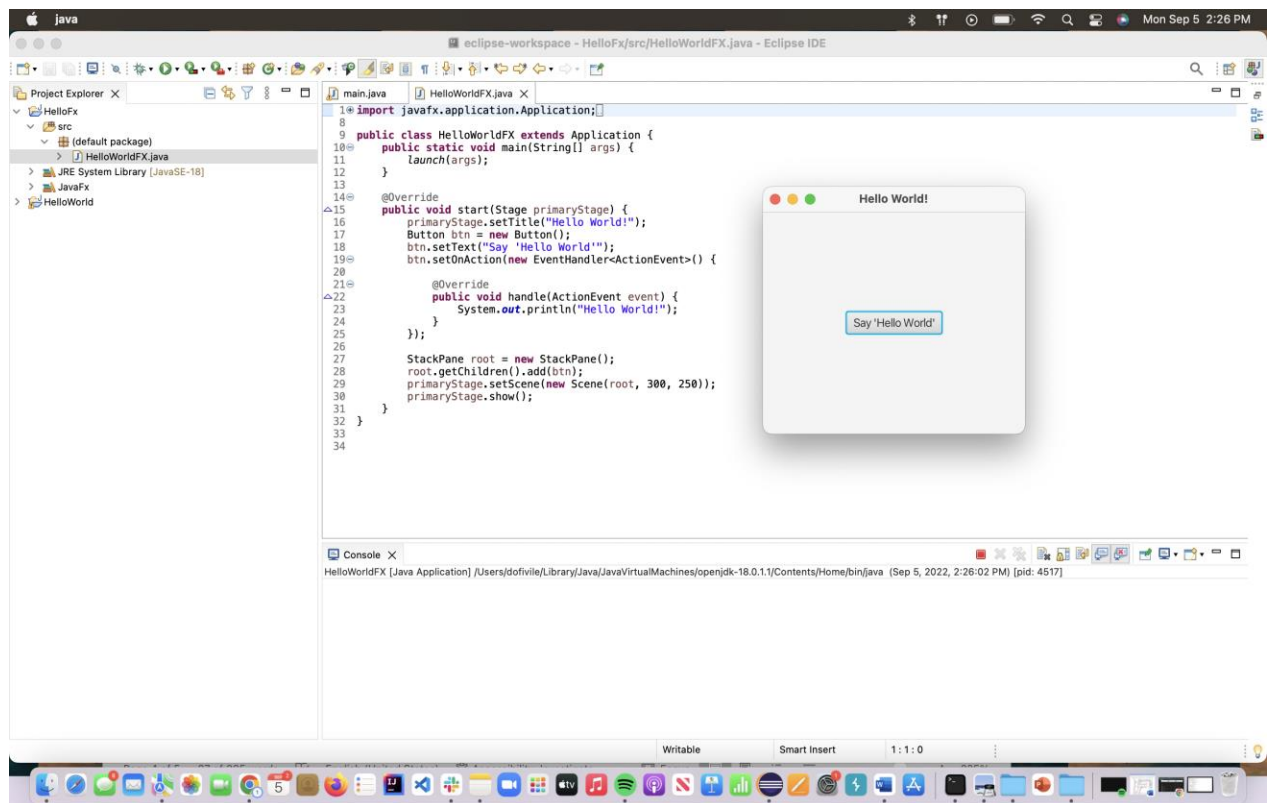
- Eclipse with working JUnit Test example
- Project screenshot
- Running example screenshot



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 was able to cover how I can run my first java program using Eclipse. I was introduced to JavaFx and Junit testing by doing this assignment.

What did you struggle with?

I was struggling to set up the JavaFx. This might be because I am using a Mac, but I was able to figure it out.

What parts of this assignment were you successful with, and what parts (if any) were you not successful with?

Runing the Junit test and Hello World message

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

<https://openjfx.io/openjfx-docs/>

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

#		Y/N	Comments
1	Assignment files:		
	<ul style="list-style-type: none"> FirstInitialLastName_Assignment0.docx/pdf 	Yes	
	<ul style="list-style-type: none"> Source java files 		
2	Program compiles	YEs	
3	Program runs with desired outputs related to a Test Plan	Yes	
4	Documentation file: Screenshots of		
	<ul style="list-style-type: none"> Part1: Setup GitHub 	Yes	
	<ul style="list-style-type: none"> Part 2 -Install JDK, Test java Application from Command Line 	YEs	
	<ul style="list-style-type: none"> Part 3 - Install Eclipse, Test Eclipse Java Application 	Yes	
	<ul style="list-style-type: none"> Part 4 - Install, Setup, Test Junit Program 	Yes	
	<ul style="list-style-type: none"> Part 5 - Install, Setup, and Test JavaFX Application. 	Yes	
	<ul style="list-style-type: none"> Lessons Learned 	Yes	
	<ul style="list-style-type: none"> Checklist is completed and included in the Documentation 	Yes	