

CMSC203 Assignment 0

Class: CMSC203 CRN XXXXX

Program: Assignment 0

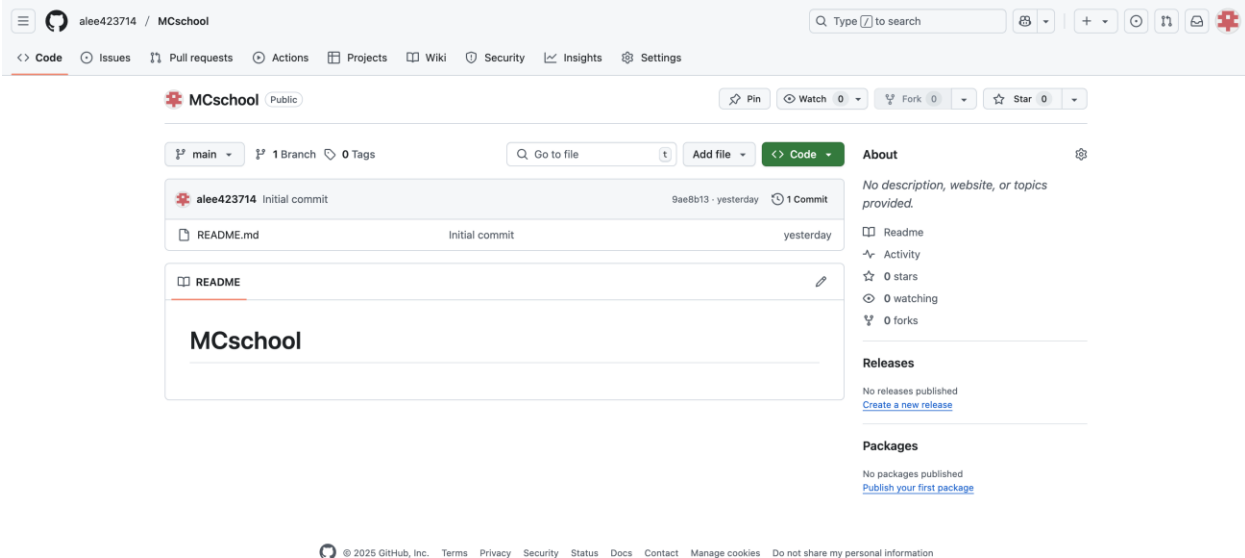
Instructor: Prof Madhvi Shah

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

Due Date: 06/12/2025

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

Part 1:



Part 2:

```
lee@Adams-Mac-mini Desktop % cd /Java
cd: no such file or directory: /Java
lee@Adams-Mac-mini Desktop % cd Java
lee@Adams-Mac-mini Java % ls
HelloWorldApp.java
lee@Adams-Mac-mini Java % javac HelloWorldApp.java
zsh: command not found: javac
lee@Adams-Mac-mini Java % javac HelloWorld.java
error: file not found: HelloWorld.java
Usage: javac <options> <source files>
use --help for a list of possible options
lee@Adams-Mac-mini Java % javac HelloWorldApp.java
lee@Adams-Mac-mini Java % java HelloWorldApp
Error: Could not find or load main class HelloWorldApp
Caused by: java.lang.NoClassDefFoundError: HelloWorldApp (wrong name: HelloWorldApp)
lee@Adams-Mac-mini Java % java HelloWorldApp
Hello World!
```


```

lee@Adams-Mac-mini ~ % cmd
zsh: command not found: cmd
lee@Adams-Mac-mini ~ % 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
-implicit:{none,class}
    Specify whether to generate class files for implicitly referenced files
-J<flag>                   Pass <flag> directly to the runtime system
--limit-modules <module>{,<module>}*
    Limit the universe of observable modules
--module <module>{,<module>}*, -m <module>{,<module>}*
    Compile only the specified module(s), check timestamps
--module-path <path>, -p <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,full}
    Control whether annotation processing and/or compilation is done.
-processor <class1>[,<class2>,<class3>...]
    Names of the annotation processors to run;
    bypasses default discovery process


```

Part 3:

by Oomph

SPONSOR







Eclipse IDE for Java Developers

The essential tools for any Java developer, including a Java IDE, a Git client, XML Editor, Maven and Gradle integration.

[details](#)


Java 21+ VM

/Library/Java/JavaVirtualMachines/jdk-24.jdk/Contents/Home



Installation Folder


/Users/lee/eclipse/java-2025-06

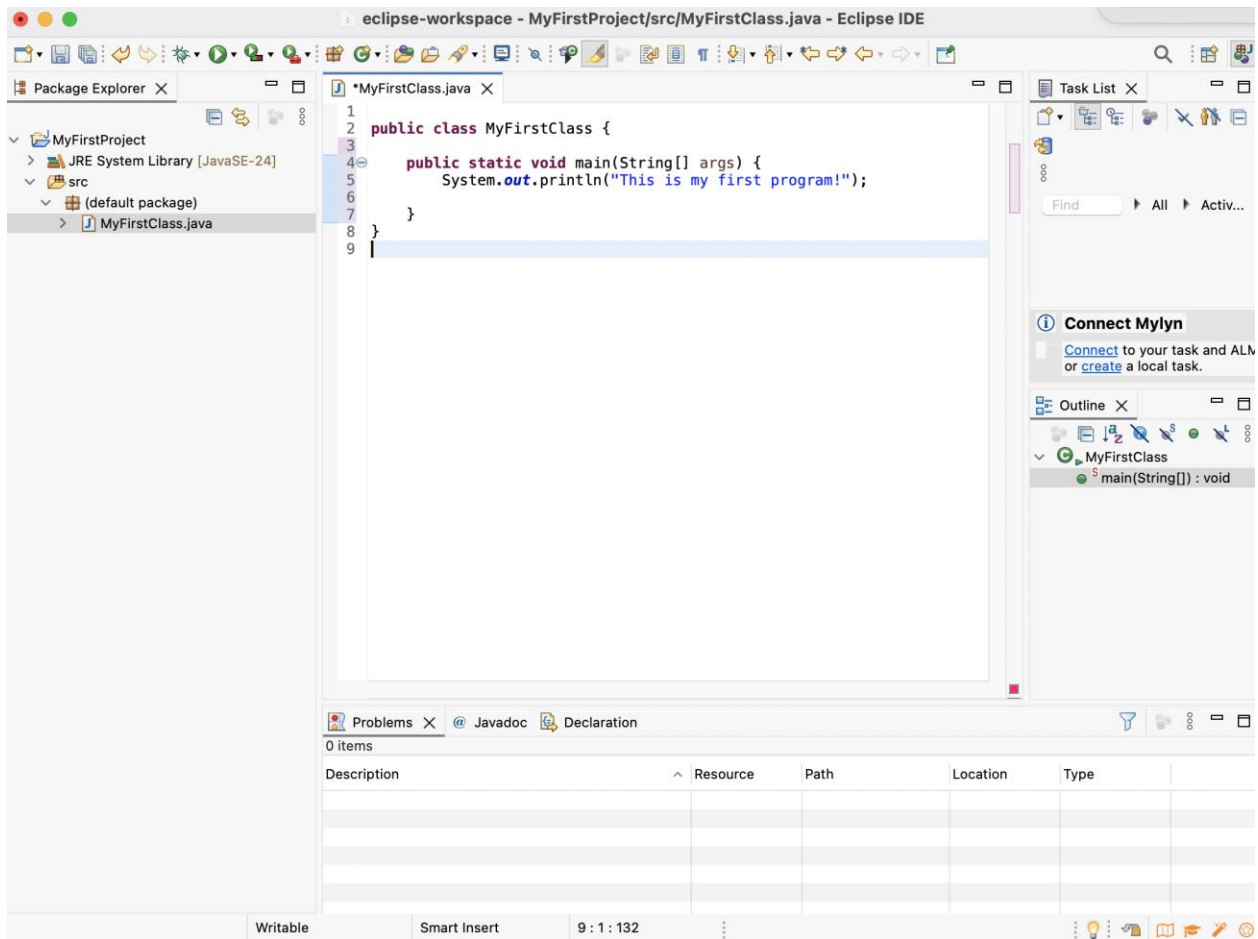


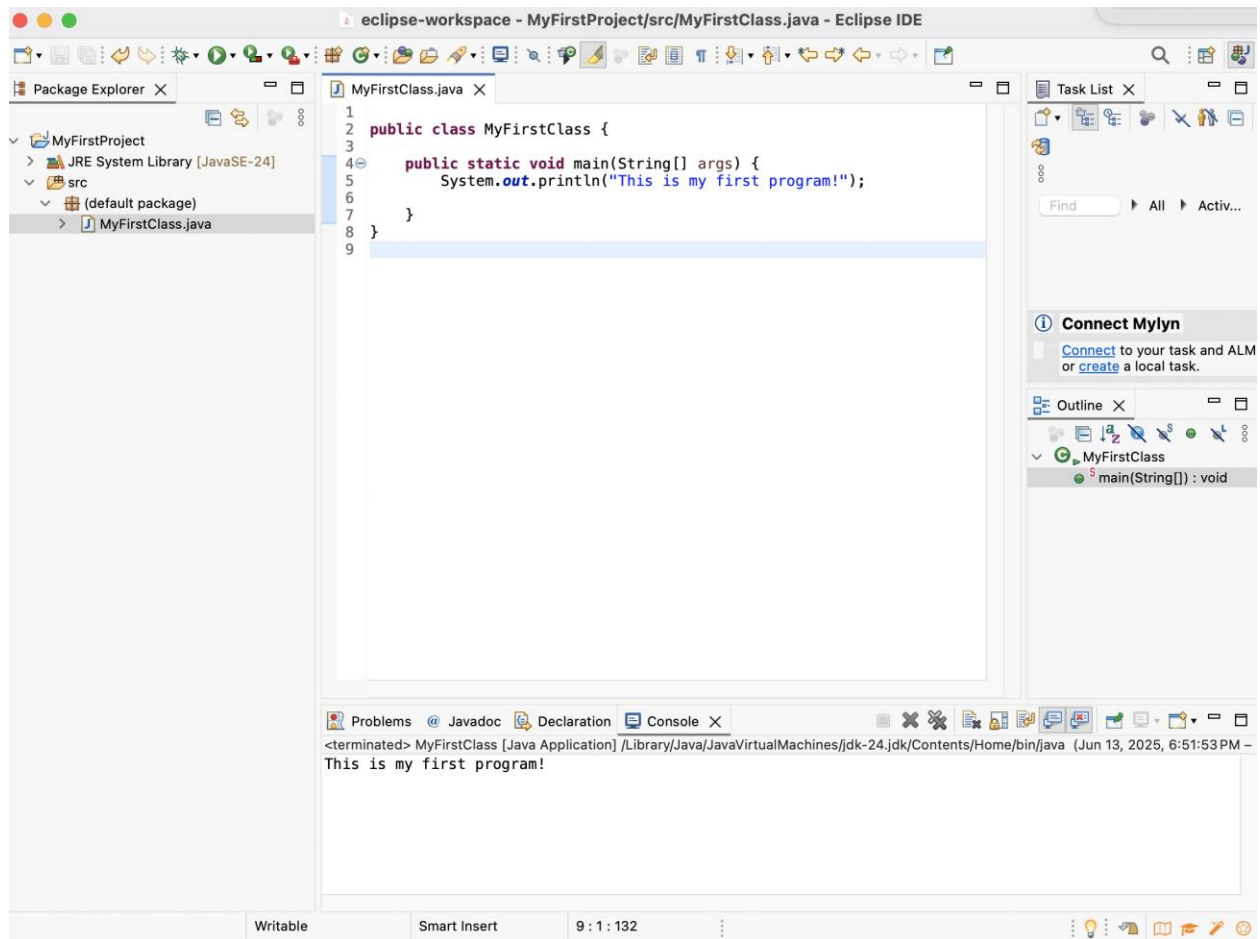
▶ LAUNCH

show readme file

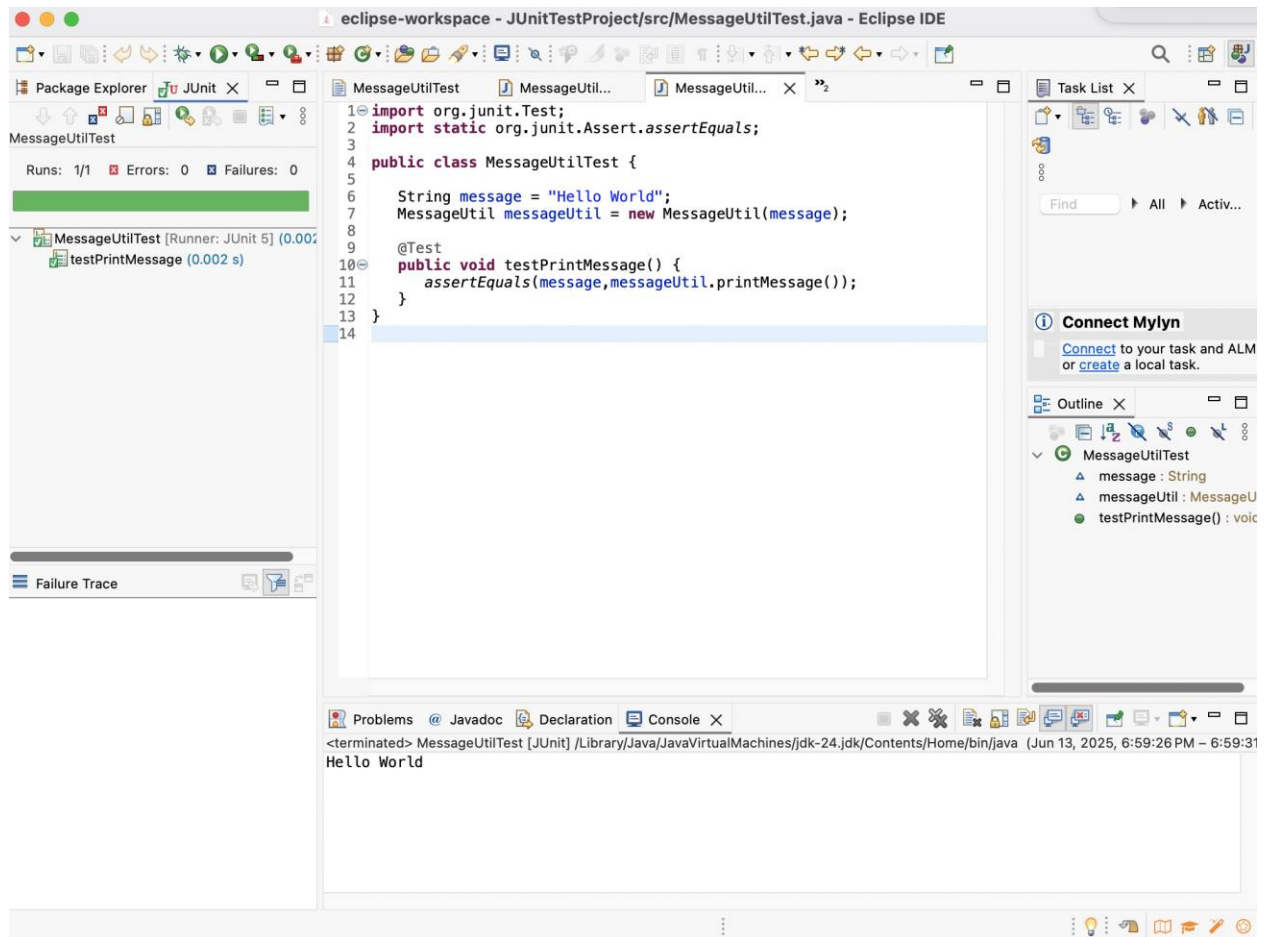
open in system explorer

 BACK

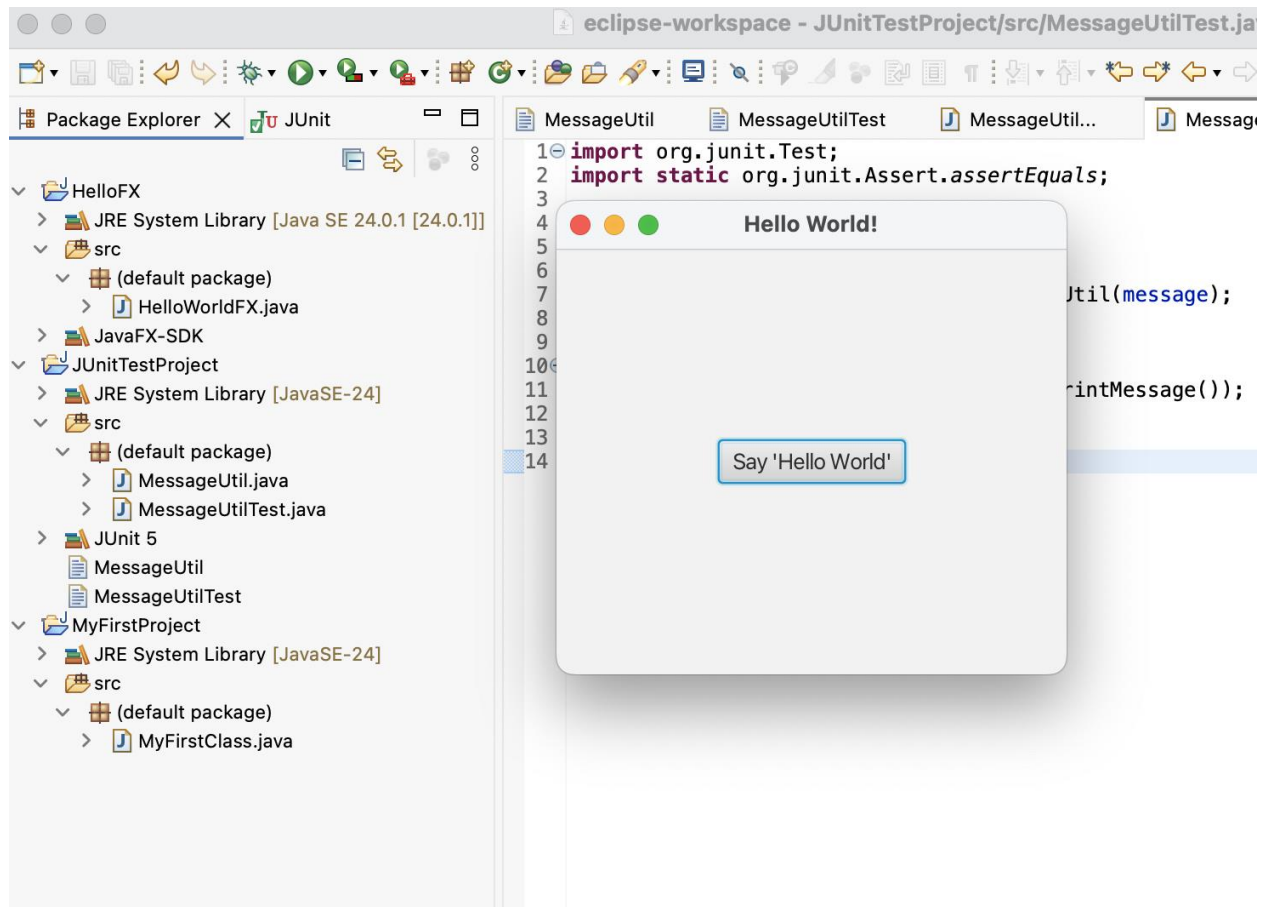




Part 4:



Part 5:



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 to use eclipse, JavaFX, and Junittest

What did you struggle with?

I struggled a little bit with the wording of the instruction but mainly because it was for mostly windows and not mac.

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

I was not successful in using the VM input line and had to get help.

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

#		Y/N	Comments
1.	Assignment files:		
	• FirstInitialLastName_Assignment0.docx/pdf	Yes	
	• Source java files	Yes	
2.	Program compiles	YEs	
3.	Program runs with desired outputs related to a Test Plan	Yes	
4.	Documentation file: Screenshots of		
	• 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	