CMSC203 Assignment 0

Class: CMSC203 CRN 30376

Program: Assignment 0

Instructor: Dr.Grinberg

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.

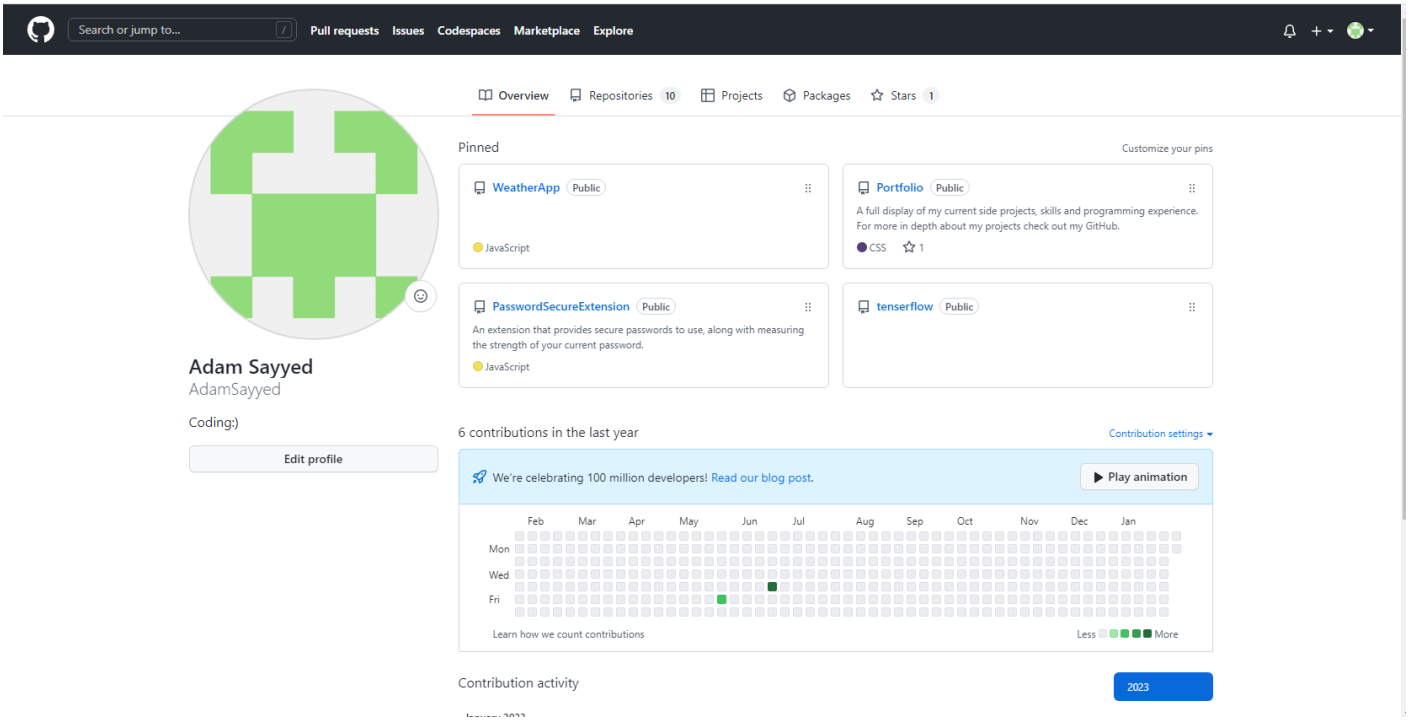
Due Date: 1/30/2023

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

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

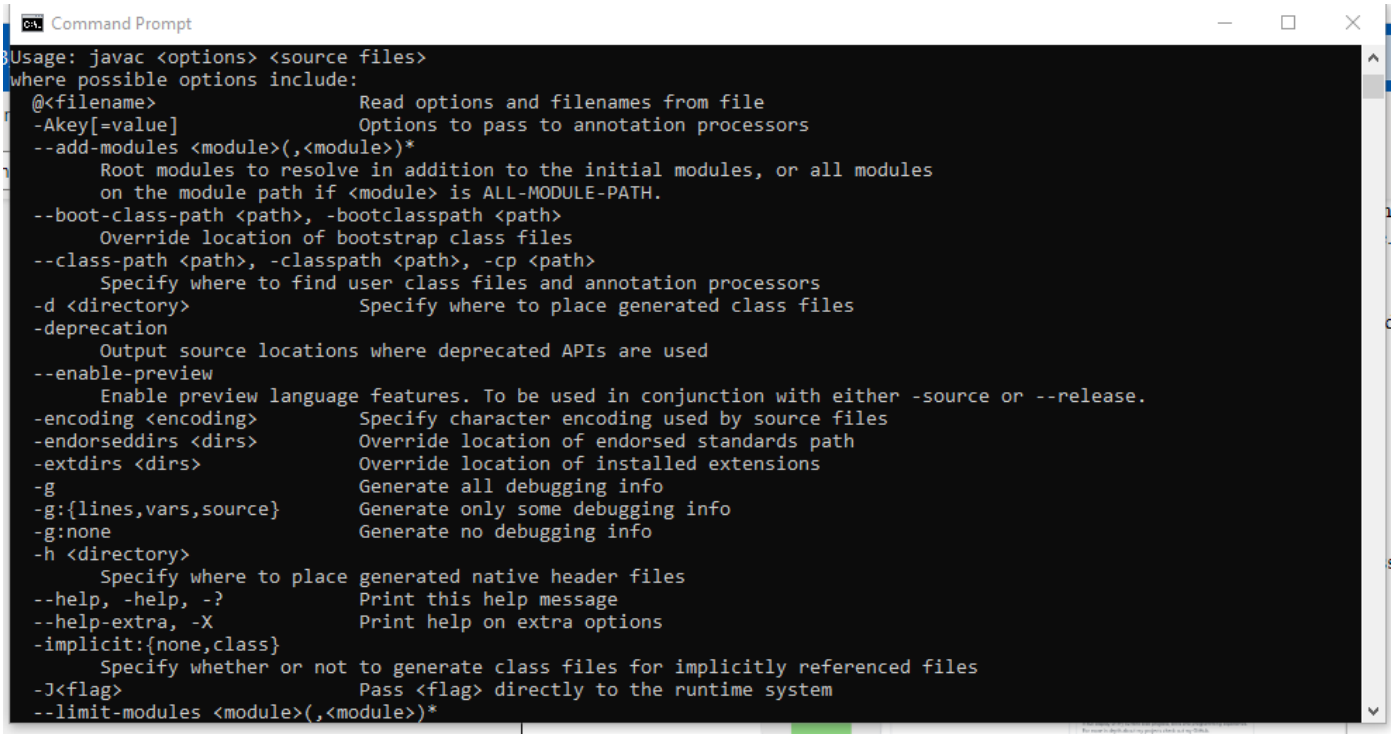
Complete the following five parts of Assignment 0. Name your file as FirstInitialLastName_Assignment0.docx

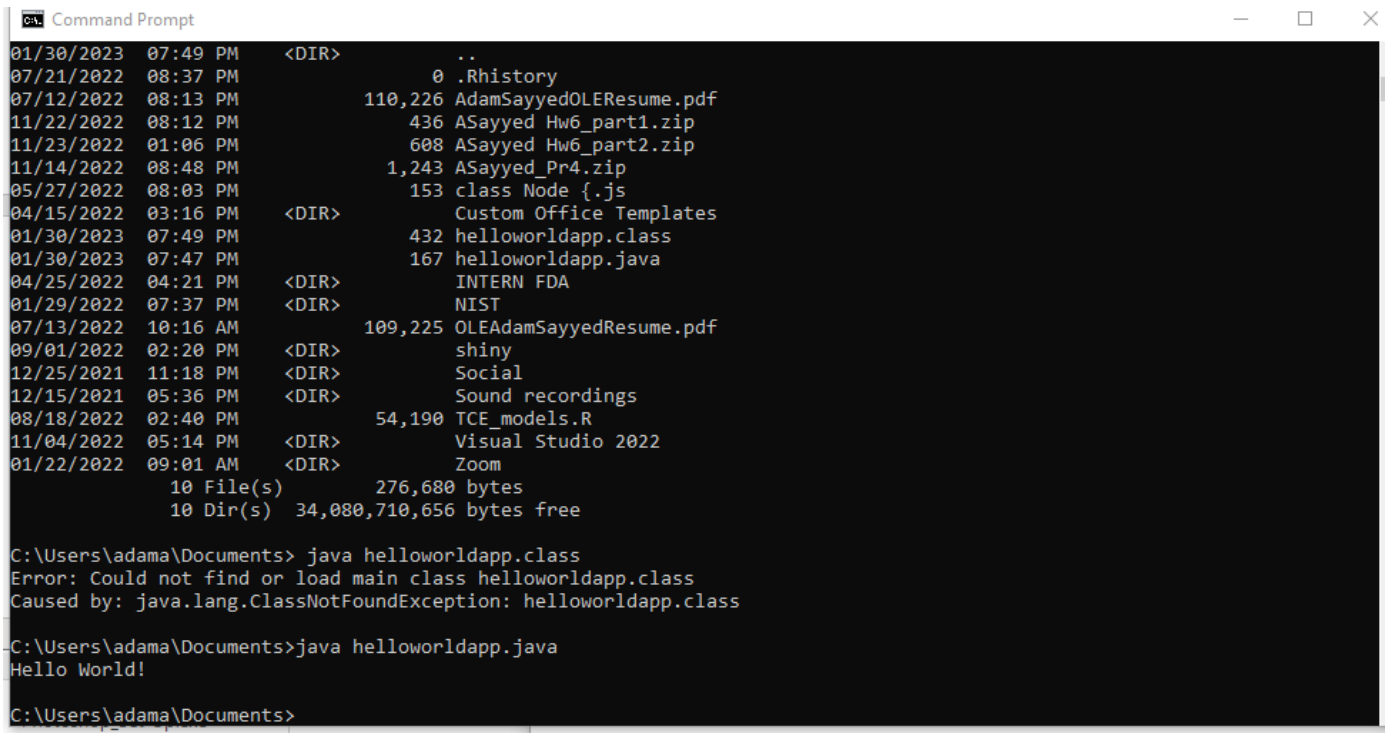
Part1: Setup GitHub: Provide the screen shots of your GitHub account with Assignment 0 file is uploaded on GitHub:



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

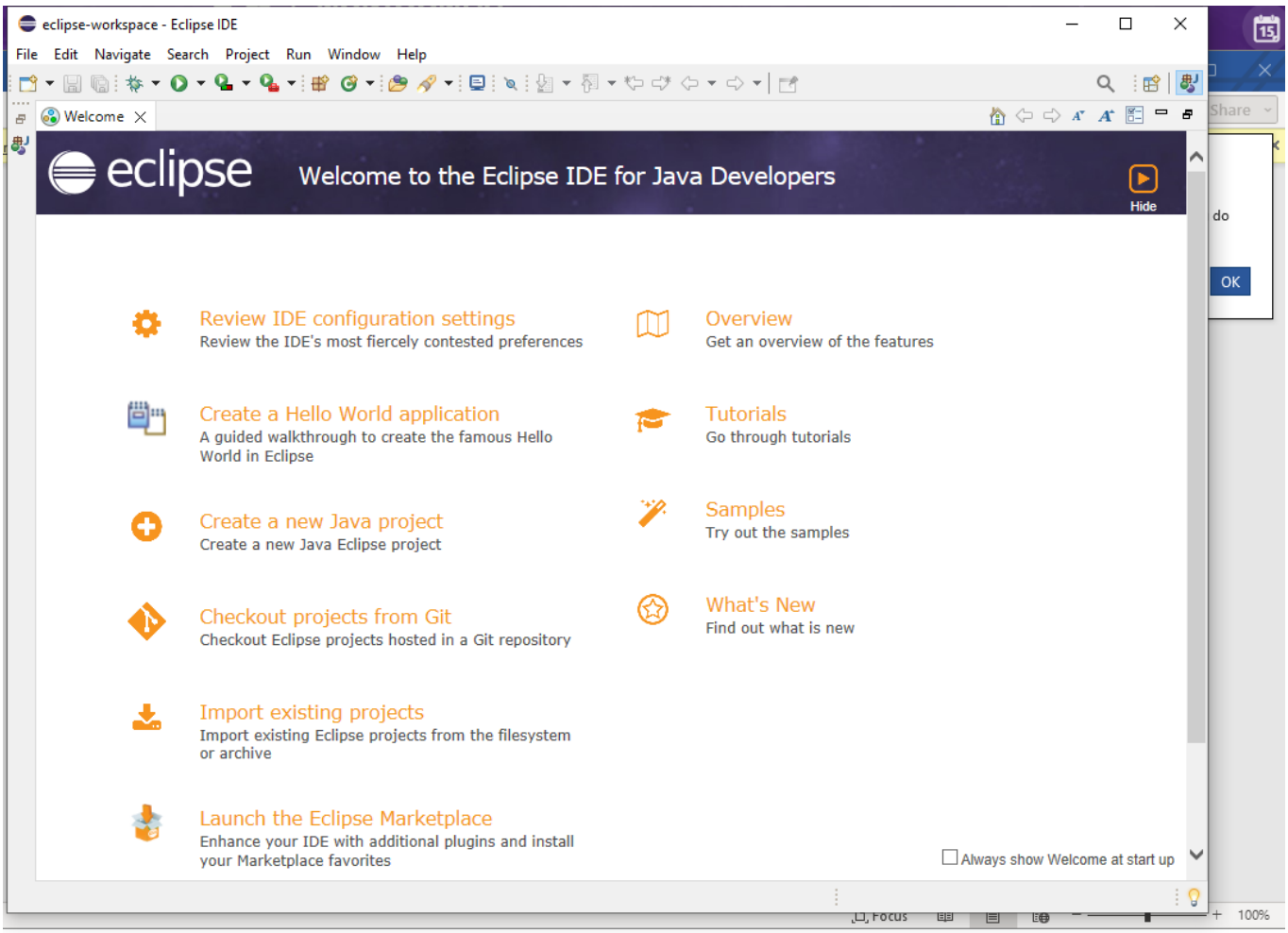
Provide the screen shots from Step 1 and 2 here:

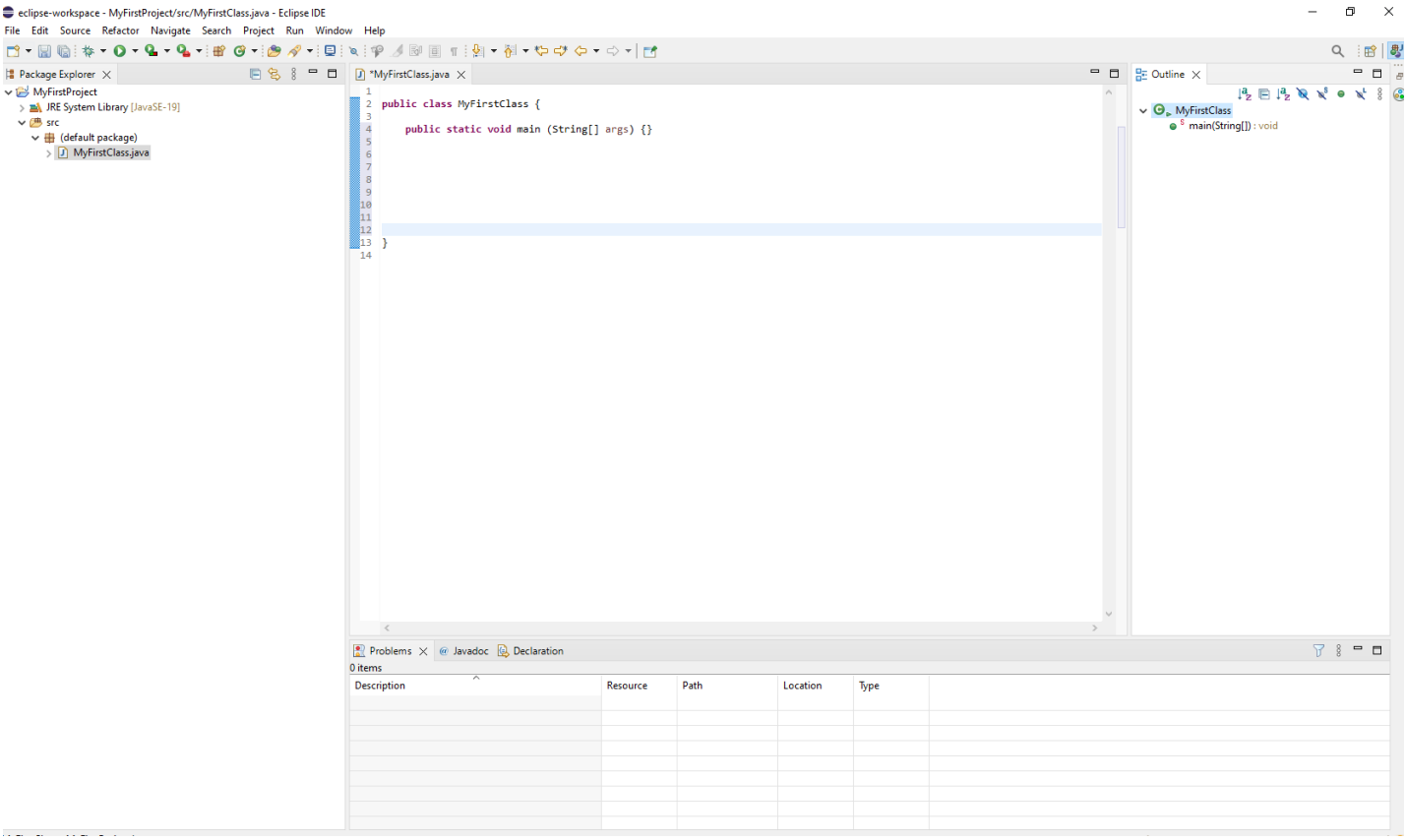




Part 3 - Install Eclipse, Test Eclipse Java Application

Provide the screen shots from Step 1 and 2 here:

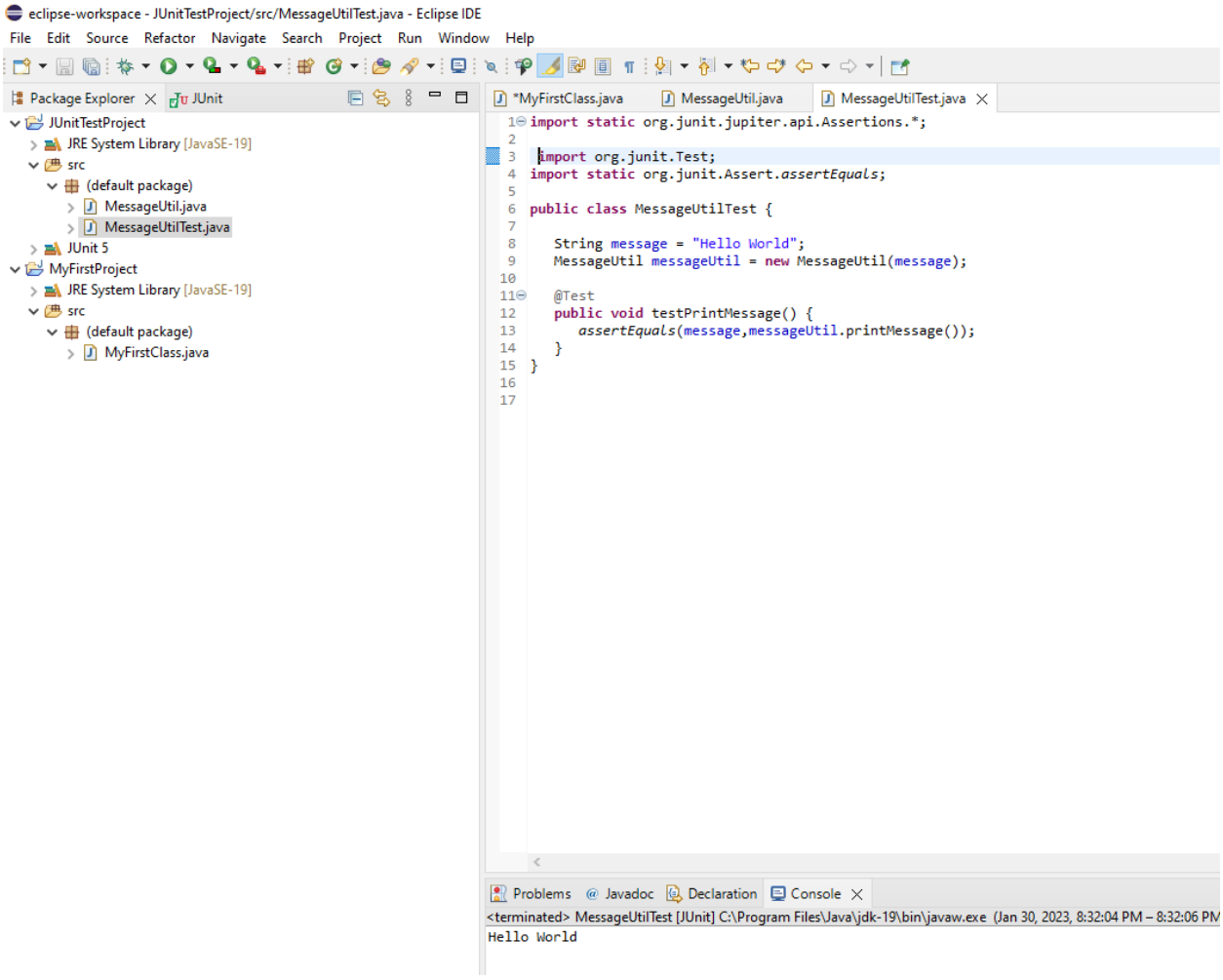

eclipse-workspace - Eclipse IDE
File Edit Navigate Search Project Run Window Help
Welcome
eclipse
Welcome to the Eclipse IDE for Java Developers
Hide
Review IDE configuration settings
Review the IDE's most fiercely contested preferences
Overview
Get an overview of the features
Create a Hello World application
A guided walkthrough to create the famous Hello World in Eclipse
Tutorials
Go through tutorials
Create a new Java project
Create a new Java Eclipse project
Samples
Try out the samples
Checkout projects from Git
Checkout Eclipse projects hosted in a Git repository
What's New
Find out what is new
Import existing projects
Import existing Eclipse projects from the filesystem or archive
Launch the Eclipse Marketplace
Enhance your IDE with additional plugins and install your Marketplace favorites
Always show Welcome at start up
Share
OK
100%

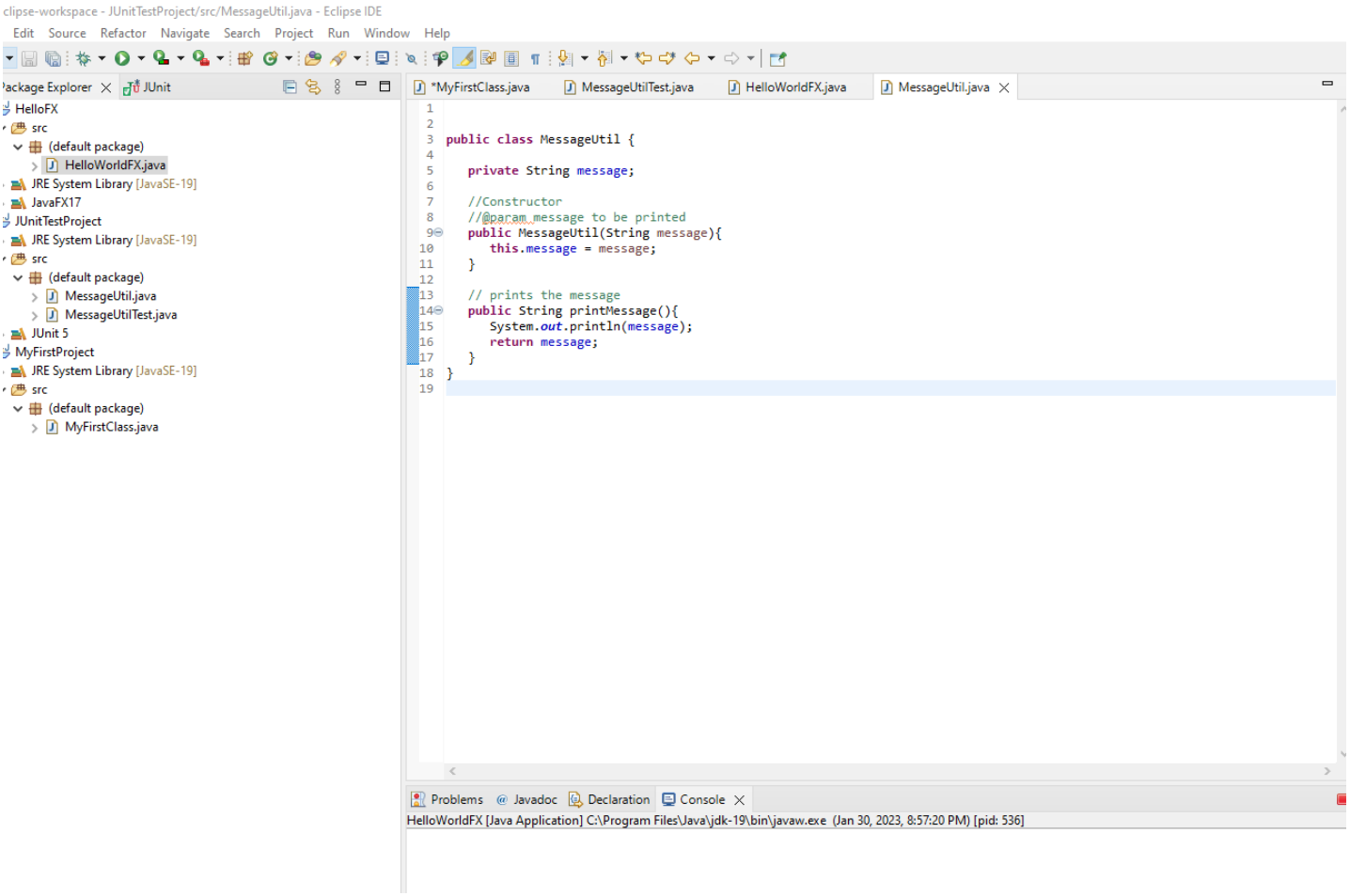


Part 4 - Install, Setup, Test Junit Program.

Provide the screen shots showing:

a. Eclipse with working JUnit Test example
b. Project screenshot
c. Running example screenshot

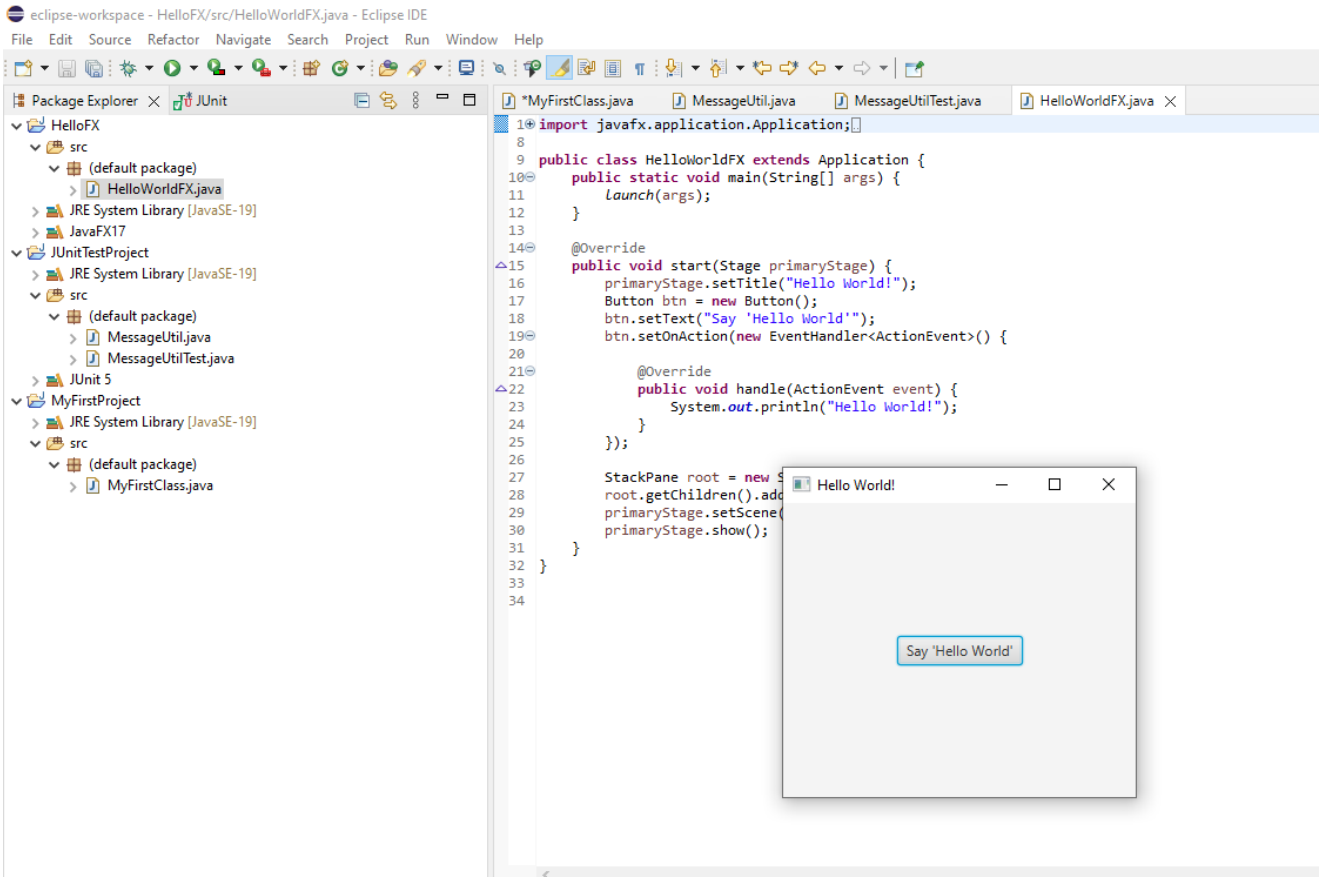

eclipse-workspace - JUnitTestProject/src/MessageUtilTest.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Package Explorer
JUnit
JUnitTestProject
JRE System Library [JavaSE-19]
src
(default package)
MessageUtil.java
MessageUtilTest.java
JUnit 5
MyFirstProject
JRE System Library [JavaSE-19]
src
(default package)
MyFirstClass.java
*MyFirstClass.java
MessageUtil.java
MessageUtilTest.java
1 import static org.junit.jupiter.api.Assertions.*;
2
3 import org.junit.Test;
4 import static org.junit.Assert.assertEquals;
5
6 public class MessageUtilTest {
7
8 String message = "Hello World";
9 MessageUtil messageUtil = new MessageUtil(message);
10
11 @Test
12 public void testPrintMessage() {
13 assertEquals(message,messageUtil.printMessage());
14 }
15 }
16
17
Problems
Javadoc
Declaration
Console
<terminated> MessageUtilTest [JUnit] C:\Program Files\Java\jdk-19\bin\javaw.exe (Jan 30, 2023, 8:32:04 PM – 8:32:06 PM
Hello World



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

Provide the screen shots showing:

a. JavaFX Project screenshot
b. Running example screenshot
c. 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?

Install libraries and setting up JavaFX projects

What did you struggle with?

Assignign the correct direcroites for the java sdk and libraqries

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

Settin up the projects, classes, librarfies and configurations

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	**Assignment files:**		
	• FirstInitialLastName_Assignment0.docx/pdf	**Yes or No**	
	• Source java files	**Yes or No**	
2	**Program compiles**	**Yes or No**	
3	**Program runs with desired outputs related to a Test Plan**	**Yes or No**	
4	**Documentation file: Screenshots of**		
	• Part1: Setup GitHub	**Yes or No**	
	• Part 2 -Install JDK, Test java Application from Command Line	**Yes or No**	
	• Part 3 - Install Eclipse, Test Eclipse Java Application	**Yes or No or N/A**	
	• Part 4 - Install, Setup, Test Junit Program	**Yes or No or N/A**	
	• Part 5 - Install, Setup, and Test JavaFX Application.	**Yes or No or N/A**	
	• Lessons Learned	**Yes or No**	
	• Checklist is completed and included in the Documentation	**Yes or No**	