

Langara

THE COLLEGE OF HIGHER LEARNING.

Department of Computing Science & Information Systems
CPSC 1181

Lab#0
Sep 8, 2022

Objectives:

- Setting JavaFX
- Install Java 8 along with other Java version you may already have
- Test JavaFX

Preparation:

none

Due date:

Part A: before ending the lab session

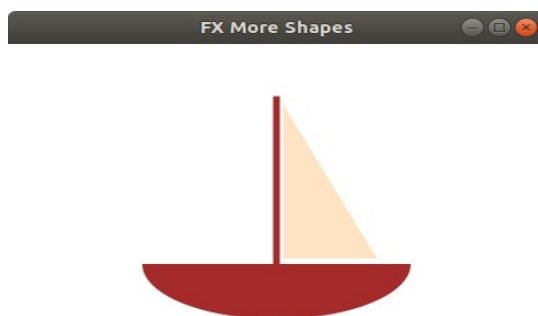
Part B: **Wednesday, Sep 14, 2022, by 11:00 PM**

Part A: [5 marks] Compile JavaFX application

Tutorial: [Run JavaFX in IntelliJ](#)

Download [ArcFX.java](#) program that uses JavaFX
compile and run it using IntelliJ IDE installed in the lab.

You should have an output like the sample shown below:



Show the result to your instructor for marking

Part B: [10 marks] Repeat the process on your own computer:

Part B.1: Check Java version installed

- Go to command line in Windows or Terminal in Mac and Linux and type **javac -version**

- If output is something like **javac 1.8.x_xxx** (x is subversion number like 1.8.0.281) then you can skip part B and go to Part C.
- If it shows different version like **javac 1.11.x_xxx**, or if it comes up with a message like : **Command 'javac' not found**, then you need to install java 8

Part B.2: Install Java 8

How to install Java on Windows and Mac:

tutorial for windows users : [Windows](#) by Tuerxun Kuerban:

tutorial for Mac users : [Mac](#) by Tuerxun Kuerban:

if you are using other operating system, the process is similar.

Part B.3: Install your favorite IDE

I recommend using [IntelliJ](#). It is full featured and easy to setup especially if you have multi versions of Java on your computer.

Go to [reference page](#) of the course and choose your favorite editor or IDE, download and install it.

Part B.4: Only for those who have multi version of Java on their computer

If you have installed **only Java 8** on your computer, then either of the IDEs you have installed should work without any problem. However, if you have other Java version besides Java8 and Java8 is not your default compiler, then you should set up your IDE to work with Java 8.

Setting up java8 for [IntelliJ](#)

Setting up java8 for [Eclipse](#)

Using [command line](#)

Part B.5: Test Java 8

Download [ArcFX.java](#) program that uses JavaFX

compile and run it use the editor you prefer.

You should have an output like the sample shown below:



What and Where to upload:

Take a screen shot of the output, zip it into yourstudentID.zip file where yourstudentID is your student number, and upload it to dropbox Lab0 in D2L.

Important Note: When you submit your assignment it means that you have learned how to installed and used JavaFX on your own computer. There will be no excuse for any problem that you may face later.

TOTAL MARK: 15