The Java VM

(for both intro and advanced courses)

# GoogleDrive

My google drive has the needed files. You have read access to the drive with the link below.

<https://drive.google.com/folderview?id=0By4MuFHPbl1iUlpWejlWVjk2WVU&usp=sharing>

# Install the JDK

Install the latest JDK for the windows environment. As of this writing it is JDK1.8.

# Copy mingw

Open the JavaVM google drive link.

Copy the “mingw” and “msys64” directories to the root of the C drive.

You should have “c:/mingw” and “c:/msys64”.

# Set environment variables

JAVA\_HOME=c:/program files/java/jdk.??? (whatever the installed release is)

DERBY\_HOME=%JAVA\_HOME%/db

# Add to Path

%JAVA\_HOME%/bin;%DERBY\_HOME%/bin;c:/mingw/bin

# Install Eclipse

Install the latest Eclipse for Java developers.

Launch Eclipse. Select a default workspace directory and check “always use this”. Click on the “go to workbench” button. Close Eclipse. (Eclipse will now open to the workbench and not the welcome page.)

# Install the Eclipse CDT

Yes, we are installing C++ support for Java classes! We use the CDT in Advance Java for the Java Native Interface Lesson. Interestingly, this VM would work for both C++ courses too! If only I could convince Brockhaus.

Launch Eclipse. Go to the Help->Marketplace and put in “CDT” in the search bar. Press enter. The list will repopulate.

Scroll down and select “Eclipse C/C++ IDE (latest version)”. Select the “CDT Main Features” boxes. Leave the other two boxes unchecked. “OK” your way through the install.

# Intro to Java support files

Copy the JavaVM “IntroJava” directory to the desktop. The files should be:

* LittleRed.txt
* maze.jar
* Vehicles.jar

# Advanced Java support files

Copy the JavaVM “AdvancedJava” directory to the desktop. The files should be:

* Jetty9 (directory)
* JNIWorkspace (directory)
* log4j (directory)
* Books.sql
* CatsAndDogs.sql
* Grades.sql
* Pets.sql
* SpritePanel.java
* SpriteTinker.java

Now copy the “AdvancedJava/JNIWorkspace” directory to the desktop as well.