Eclipse IDE Install

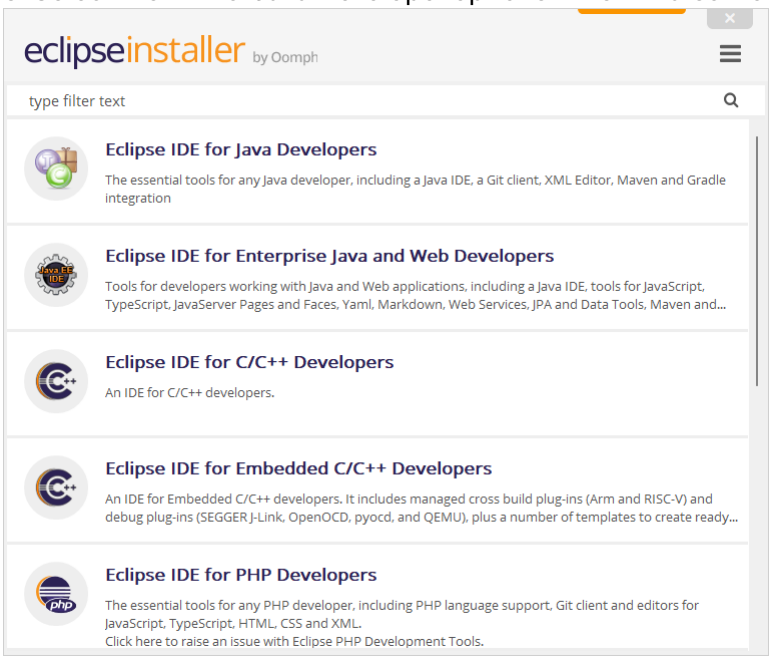
This assumes a Windows environment, but it is similar for macOS and Linux. I have attempted to create a good starting point for the installation, but please note that you may have to use your CIS skills to interpret and solve problems if something does not work as intended.

1. Download and install Java JDK (21 or later, 25 preferred). All the default options should be fine.

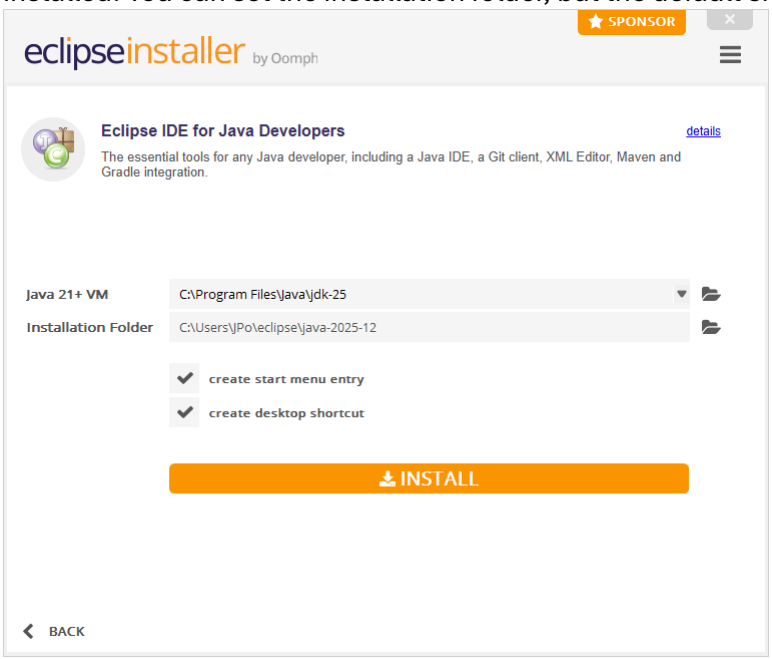
Alternatively, the Eclipse IDE includes the runtime environment, but I have found that installing the JDK first works a little better. The following assumes you installed the JDK first.

2. Download the latest version of Eclipse and run the installer.

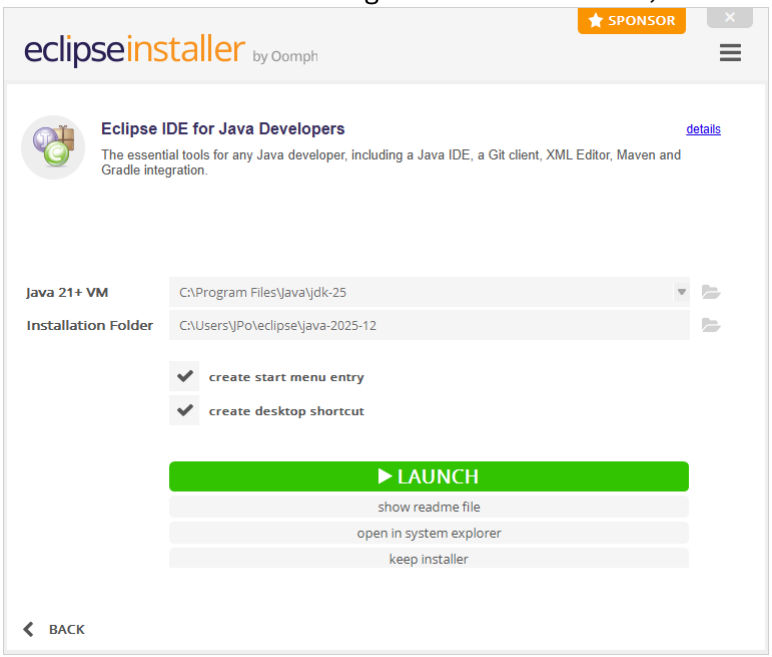
3. Select the IDE for Java Developer options. This will also work for my CIS 3020 class.

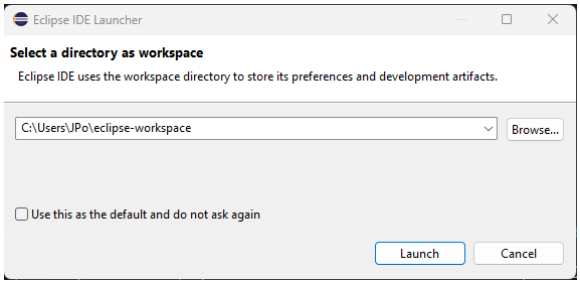


3. Select the Java VM version. The drop down should list the versions available. In this case, I am selecting the one I installed. You can set the installation folder, but the default should work.



4. Read and accept the License. Depending on server and connection conditions, it may take a few minutes to download and finish installing. After the installation, click Launch.

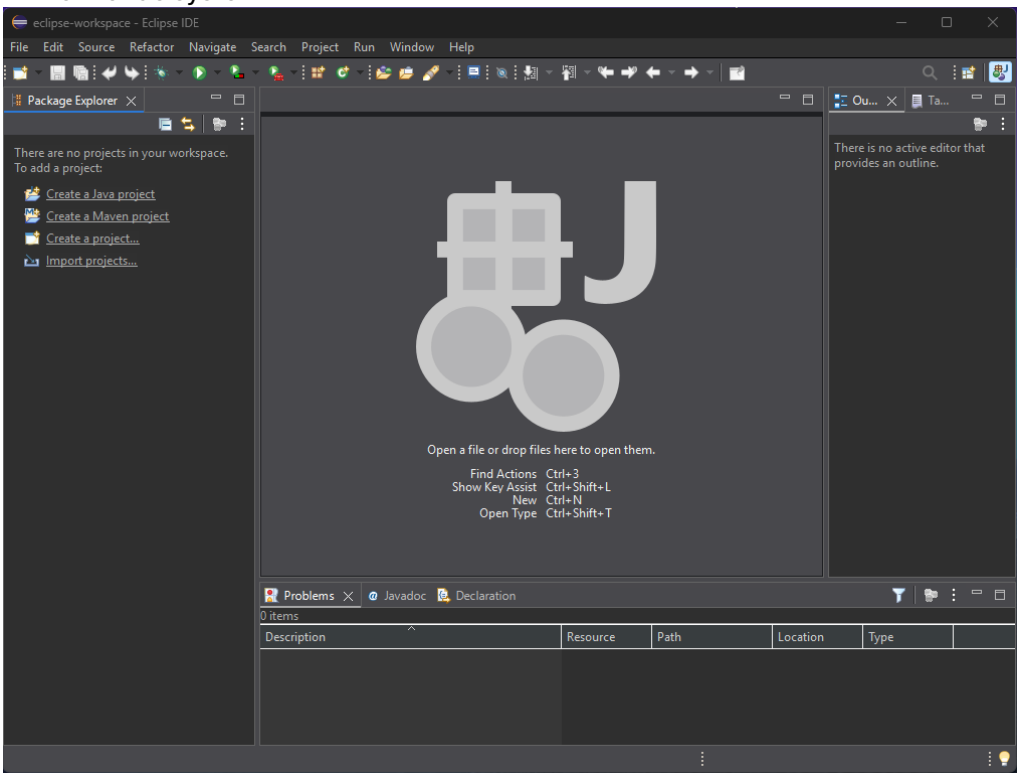




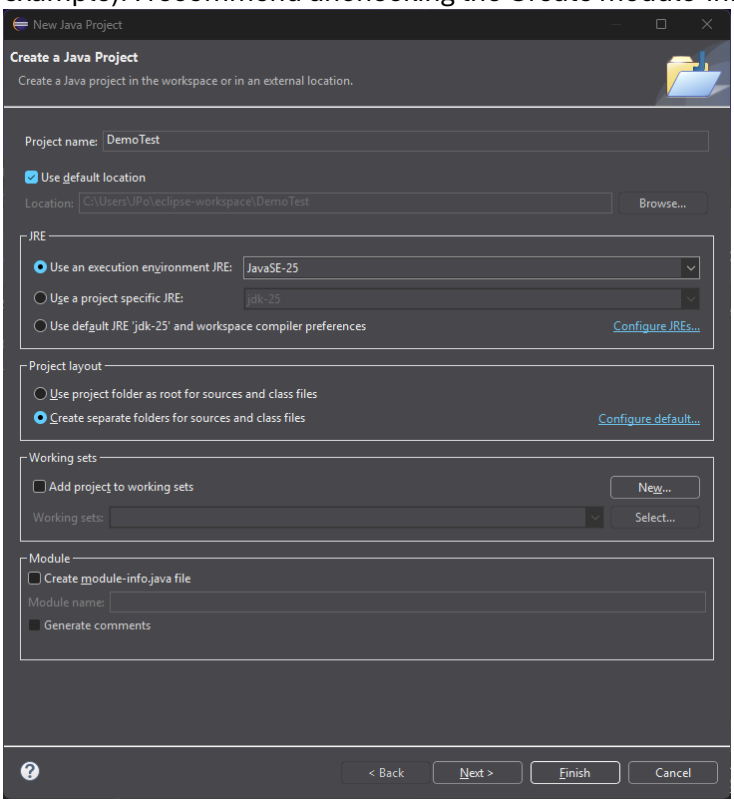
5. Create a workspace. I recommend having different workspaces for different classes. I typically have one per course and a sandbox for experimenting. This one the default that Eclipse sets up for you.

6. You can exit the welcome screen. Take a few minutes to explore the menu and tool bars to familiarize yourself with the setup.

7. To test your installation, create a new Java project. You can click the option in the package explorer or File -> New in the menus system.

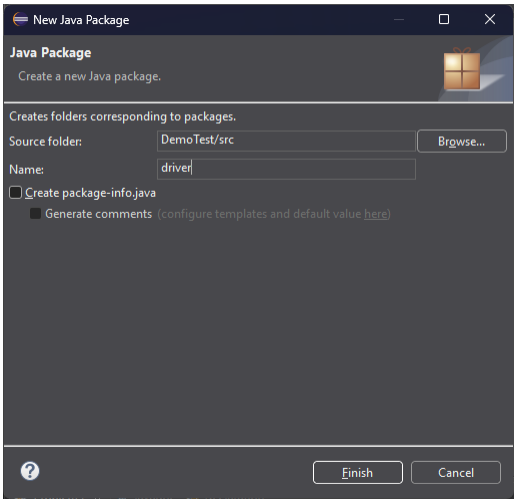


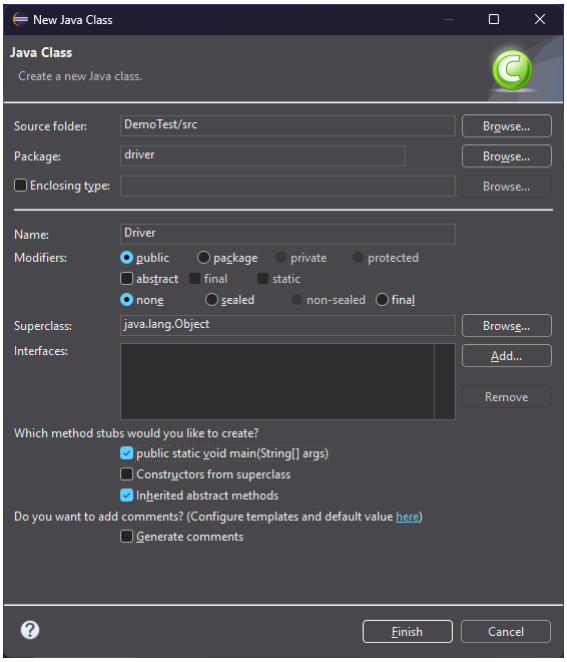
8. Give the project a name. The execution environment should automatically be recognized (JavaSE-25 in this example). I recommend unchecking the Create module-info.java file.



9. At this point, you can click finish. The Next option does have some other options, but all the defaults should work for our class.

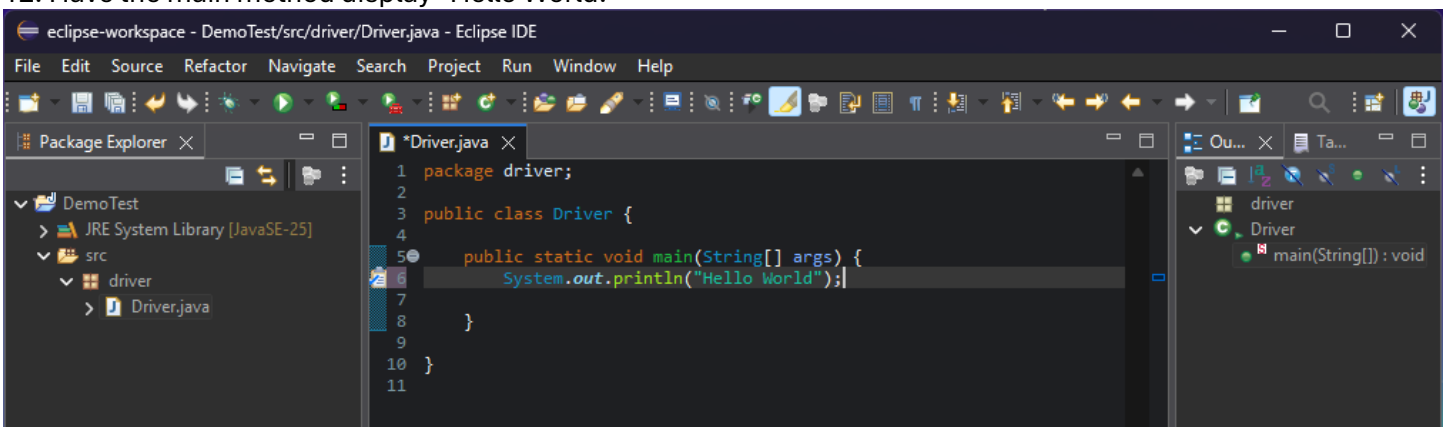
10. Expand the project folder. Create a package in the src folder called driver. (File -> New -> Package, or right-click src -> New -> Package). Click Finish.



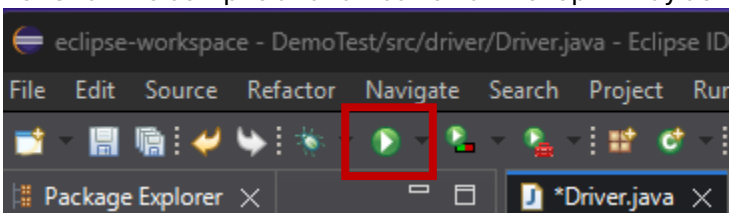


11. Create a new class in the driver package (like the previous step). I named it Driver and included the main method. Not all classes will have a main method.

12. Have the main method display “Hello World.”



13. Click the compile and run button at the top. It may ask you to save the file before running.



14. You should see the output in the console.