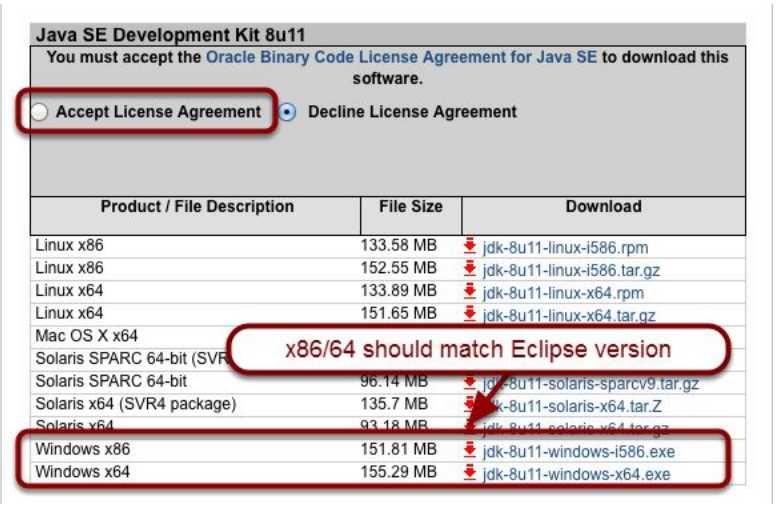
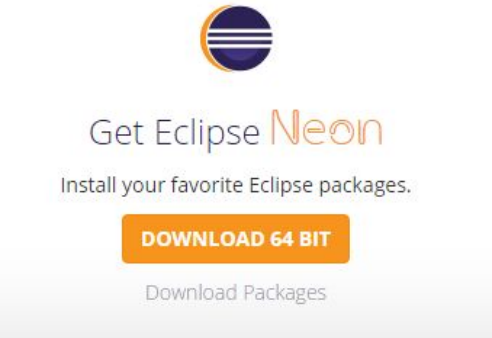
Windows setup Guide:

*Note: Don't confuse the preference menu with the properties menu.

1. To start, follow the instructions found here:
   https://wpilib.screenstepslive.com/s/4485/m/13809/l/599681-installing-eclipse-c-java
   a. Install JDK



   b. Install Eclipse - Newest is now Neon. Select the "Download Pacakges" option under the large orange button.

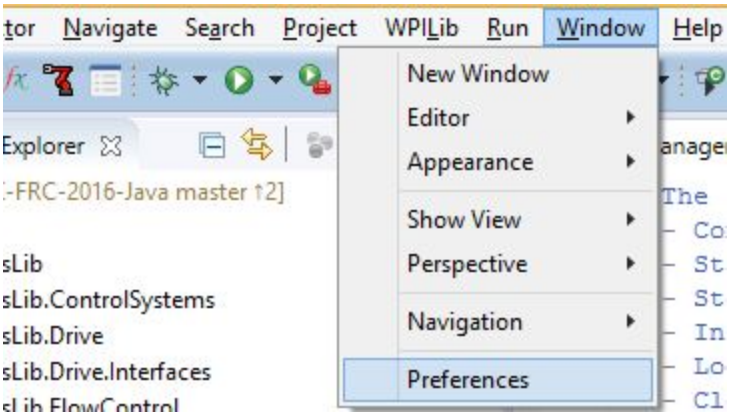


Extract the contents of the zip file by right-clicking on the .zip file in a windows explorer window and selecting "Extract All..." and taking the default for the location to extract it.

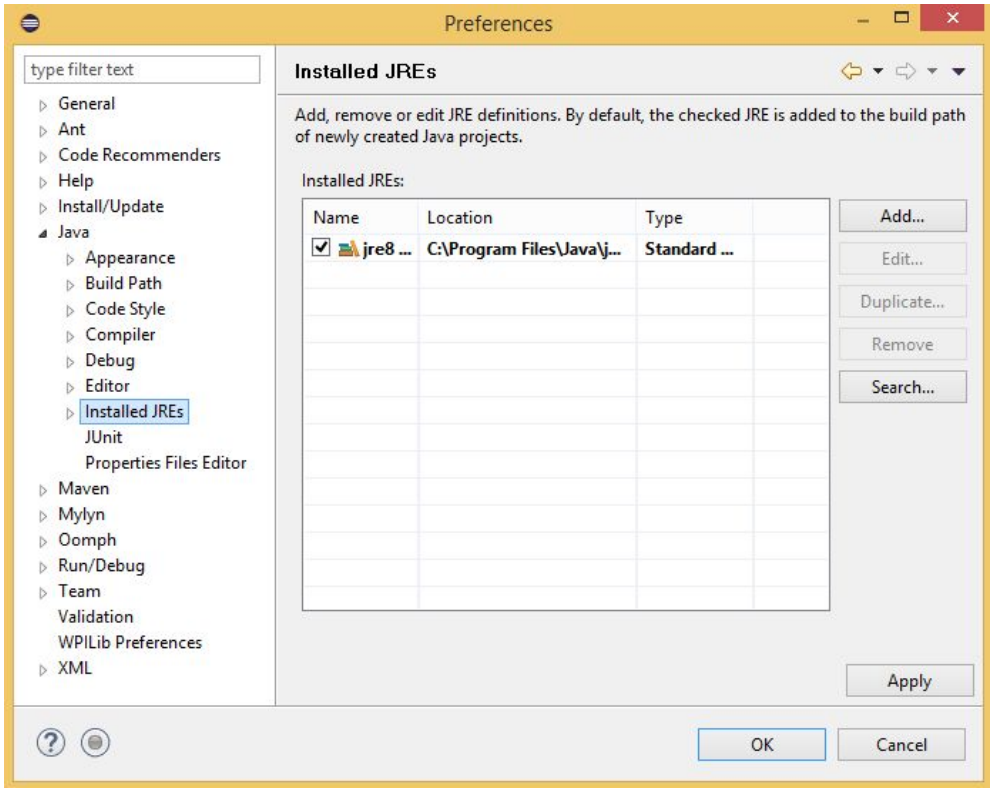
Move the extracted folder to Program Files or some other convenient location from which to easily run it. Within the eclipse folder you'll see the file "eclipse.exe". You can right-click on "eclipse.exe" and select "Pin to start menu" to make it easier to run eclipse without having to find the installation location

Setup JDK in Eclipse:

1. Navigate to Windows->preferences

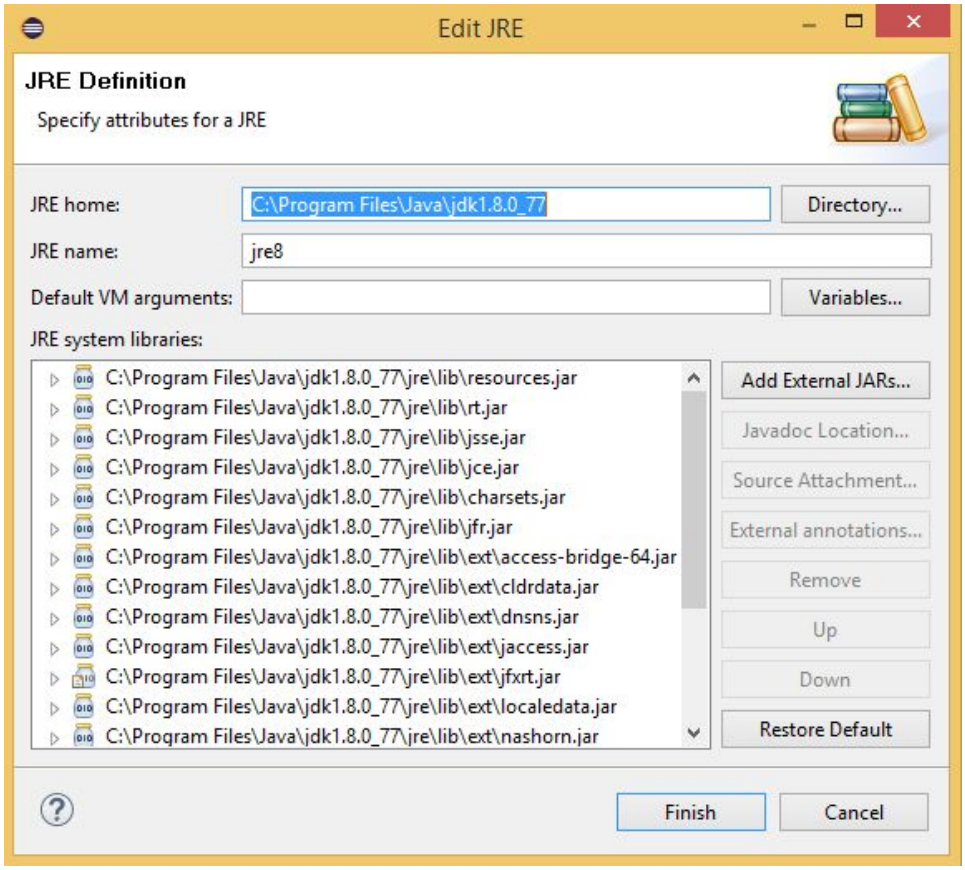


2. Then Java -> Installed JREs

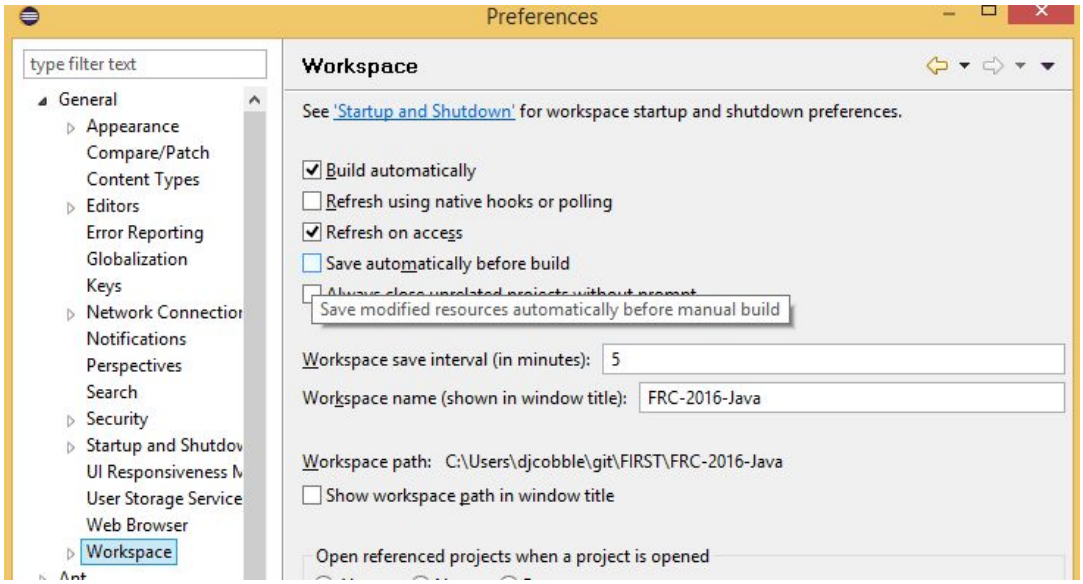


3. Notice under name that it says jre8 and location will most likely be \Java\JRE8….

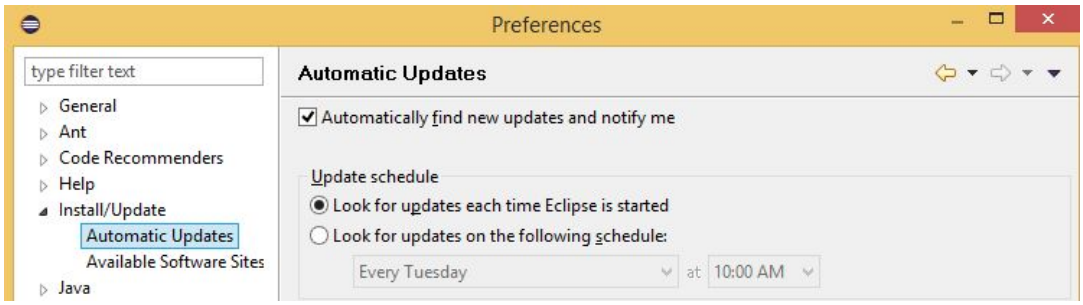
4. Double click on the location of jre8, you should see:



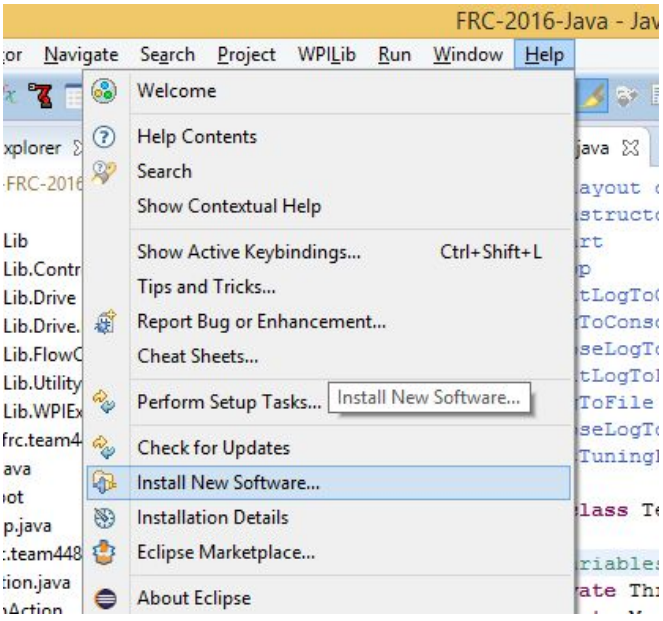
5. Go ahead and change the location of JRE home to the path for your JDK. For some reason we have to lie to Java, we want to use the developement kit, not the runtime environment. Click Finish
6. Set a few extra preferences, starting with auto save: Window -> Preferences -> General -> Workspace -> Check Save automatically before build -> OK



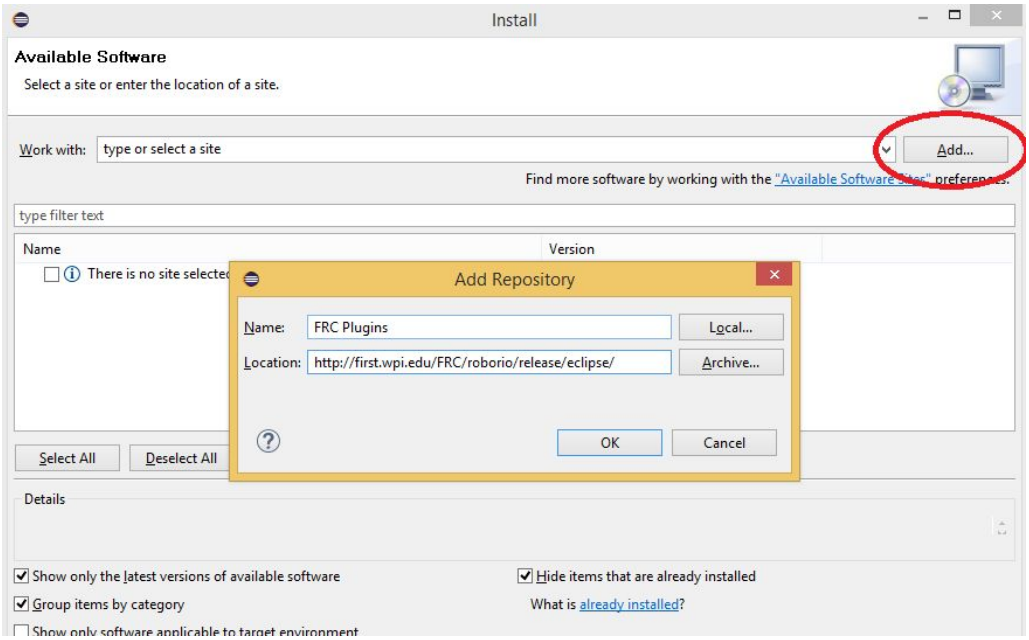
7. While you're still in the preferences, go to Install/Update: check Automatically find new updates and notify me. Making sure this is run every time Eclipse is started.



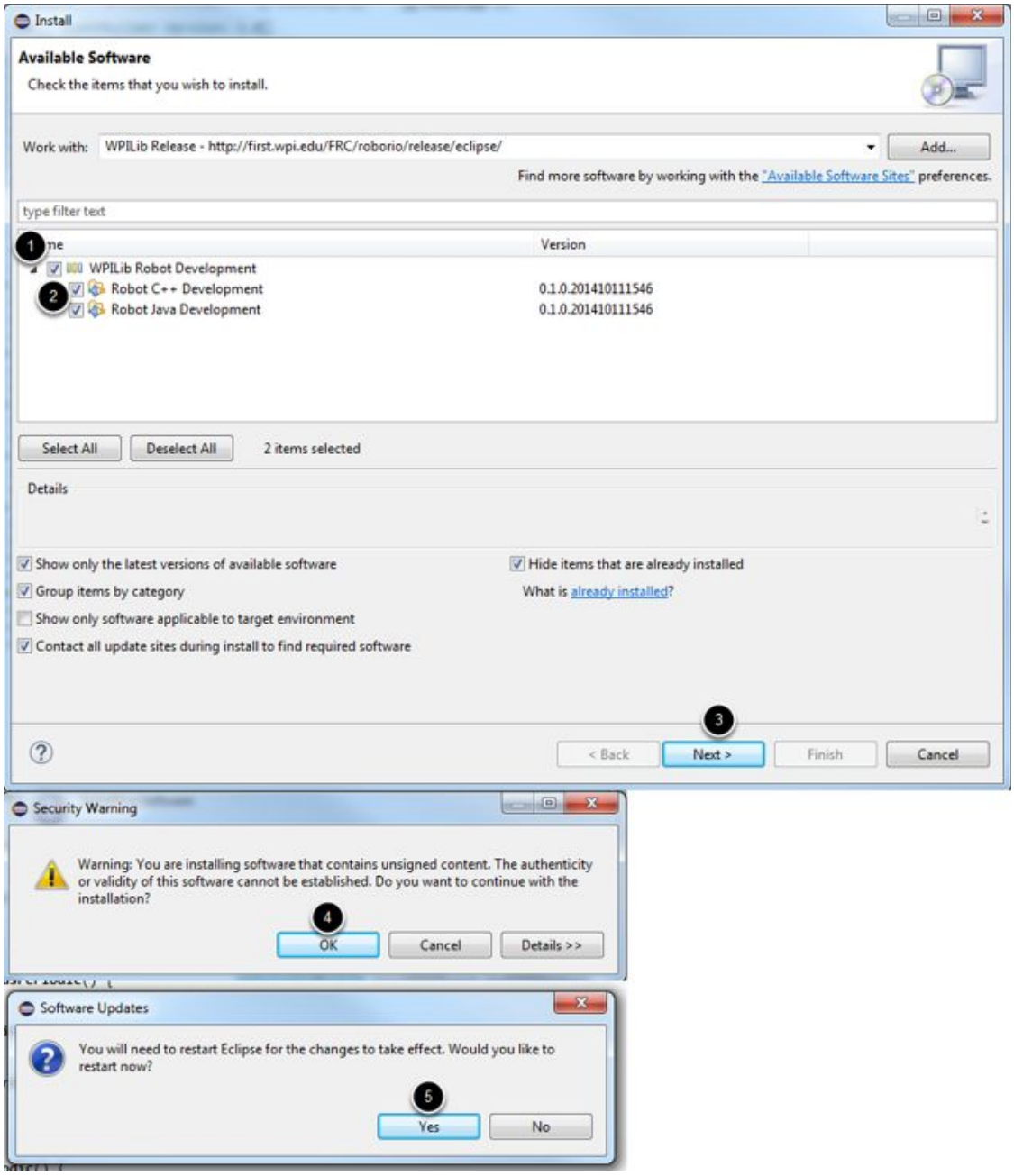
8. Next we will add the WPI library. Navigate to Help->Install New Software:



9. Click Add, and enter Name: "FRC Plugins" & enter its Location: http://first.wpi.edu/FRC/roborio/release/eclipse/



10. Select Robot Java Development, we do not need C++



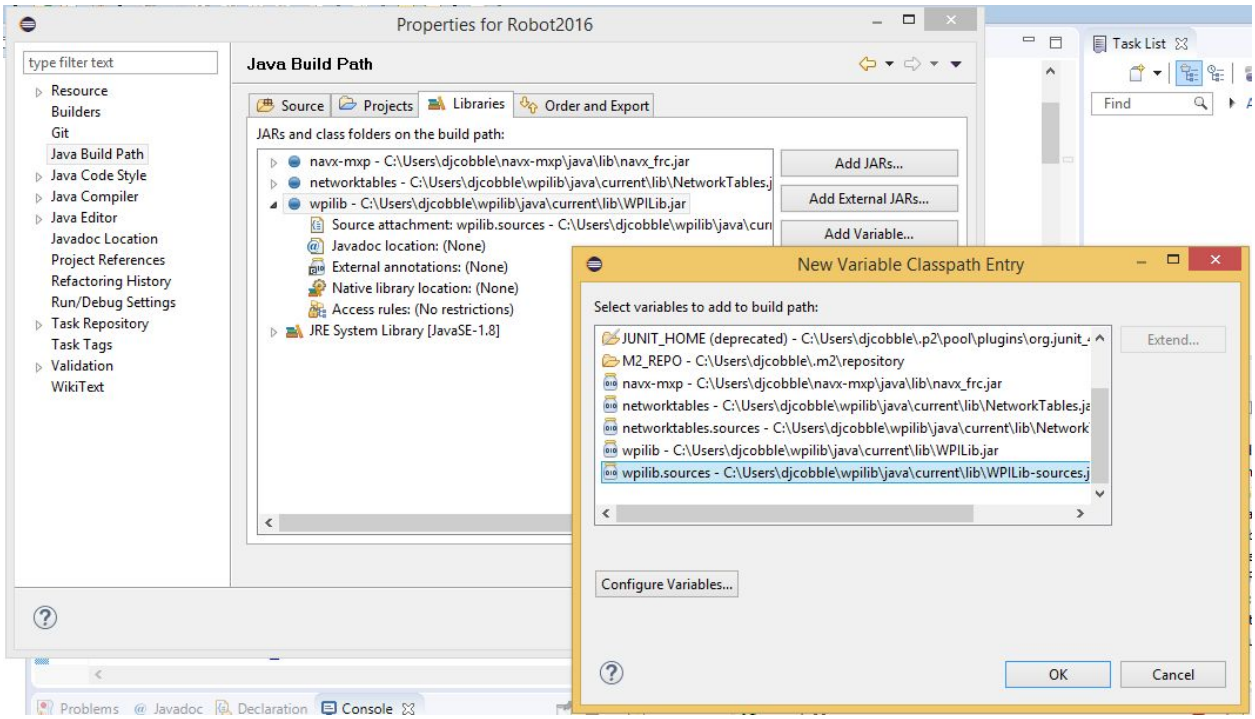
11. Finish up by checking for updates to the plugins: Help->Check For Updates
12. Once you have downloaded the Navex, you can continue configuring Eclipse.

    i. Config settings (follow install instructions)
    ii. Install dev plugins

2. Download navx library from here: http://www.pdocs.kauailabs.com/navx-mxp/software/roborio-libraries/java/
    a. Run setup.exe
    b. Configure eclipse for navx. -- http://www.pdocs.kauailabs.com/navx-mxp/software/roborio-libraries/java/

3. Download a Github plugin for Eclipse here: http://www.eclipse.org/egit/download/
    a. Install Egit (see step b)
    b. Help -> install new software.
        i. Work with: http://download.eclipse.org/egit/github/updates
4. Sync to team repository
    a. import->ProjectsFromGit -> CloneURL
5. Point to downloaded libraries
    a. Right click on Preferences->Java-> Build Path -> Class Path Variables->edit->Variable->new -- Enter <Same Name> -- Folder
    b. Navex variable to C:User\<user>navex
    c. Same for WPI lib

6. Add wpilib.sources



ANT errors:
http://stackoverflow.com/questions/15098258/ant-java-home-does-not-point-to-the-jdk-but-it-does

Set Team Number

Lots of information here:
https://wpilib.screenstepslive.com/s/4485/m/13809

Helpful information here as well:
https://wpilib.screenstepslive.com/s/4485/m/13809/l/242586-building-and-downloading-a-robot-project-to-the-roborio