To Install the JOGL libraries into an Eclipse project

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If you don't want to follow these instructions or if you want to use another IDE, you are on your own. The JOGL code is available from JogAmp.org. Here are two tutorials on installing it:

https://jogamp.org/wiki/index.php/Setting_up_a_JogAmp_project_in_your_favorite_IDE

and

https://sites.google.com/site/justinscsstuff/jogl-tutorial-1

Doing what you need for this course should be straightforward. I suggest that you create one Eclipse project and put all of your code for this class in that project. You need to create a JOGL user library:

1. In the Eclipse menu bar, select **Windows->Preferences**. The left side of the Preferences frame has a number of options. Select **Java->BuildPath->User Libraries**. You need to make a new user library, so click the **New** button, then give a name such as "jogl" in the dialog box that pops up. Leave the "**System Library**" box unchecked. Click **OK**.
2. Back in the **User Libraries** panel the jogl library you just created should appear. Click **Add External JARs**. This gets a dialog box that lets you select the JAR files to add to you user library. Navigate to **/usr/lib/jogl.** Select the files
   a) **gluegen-rt.jar**
   b) **jogl-all.jar**
   c) **jogl-all-natives-linux-amd64.jar**

   You can either CTRL-Select the three files at once, or do this three times to add the files individualy to your library. Click **OK** after each addition.

3. lf you open up the jogl library in the User Libraries panel you should see the 3 JAR files you added. Each of these can be opened to reveal 4 lines:
   Source attachment
   Javadoc location
   Native library location
   Access rules
   You only need to supply the **Native library location** for each JAR. First select **Native library location** for the **gluegen-rt.jar** file. On the right of this panel click **Edit**. In the dialog box that pops up navigate **to /usr/lib/jogl.** ; Select (don't open) the **lib** folder and click **OK**. Do the same for the other two jar files, each time supplying **/usr/lib/jogl/lib** as the native library location.

4. In Eclipse create the Java project you will use for this class. ln the package explorer right click on this project and select **Properties** from the drop-down menu that appears. Select **Java Build**

Path from the left side of the **Properties** frame. At the top of the Build Path window select the **Libraries** tab. Click the **Add Library** button. From the options select **User Library**, then click the **Next** button. Put a check mark next to your jogl library, then click **Finish**.   Your library is now installed in the project. You should see it if you click on the project in the package explorer. If you download any of my demo code files and install it in this project you should be able to run it.