# To do a course code build on the mac

* 1st, download jdk1.8

https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html?ssSourceSiteId=otnpt

* 

## install the correct jdk for your machine. Then download the Community Edition of Intellij for the correct machine from:

[https://www.jetbrains.com/idea/download/](https://www.jetbrains.com/idea/download/)

now download the code from blackboard:



this is a jar file. You may unjar it with the command:

jar –xvf all.jar

or you may use 7zip or winzip.

When you are done, you will have a j4p folder with the src and the jars;

/Users/lyon/current/java/j4pCode

mini{lyon}108: ls

jars/ src/

You may now start intellij Click, create a new project:



select a project sdk (jdk1.8):



you may have to browse into your program files\java directory to find the jdk1.8 (for windows). On the mac it is under Library/Java/JavaVirtualMachines/

Hit next until you get to the new project dialog;



then click finish.

Select the jars at the top-level of the jars folder;



mouse right, select add as library…



and click ok.

Open the jogl jar folder and select the contents;



mouse right and add it to the library too:



click ok

open the preferences. Select bytecode version 1.8 for the output;



configure your compiler build heap with extra ram;



I used 2700 Mbytes. Hit Apply and OK.

Select HelloWorld and mouse right to build the project.



When it is done, you should see an output:



Congrats! You have done a proper build!!