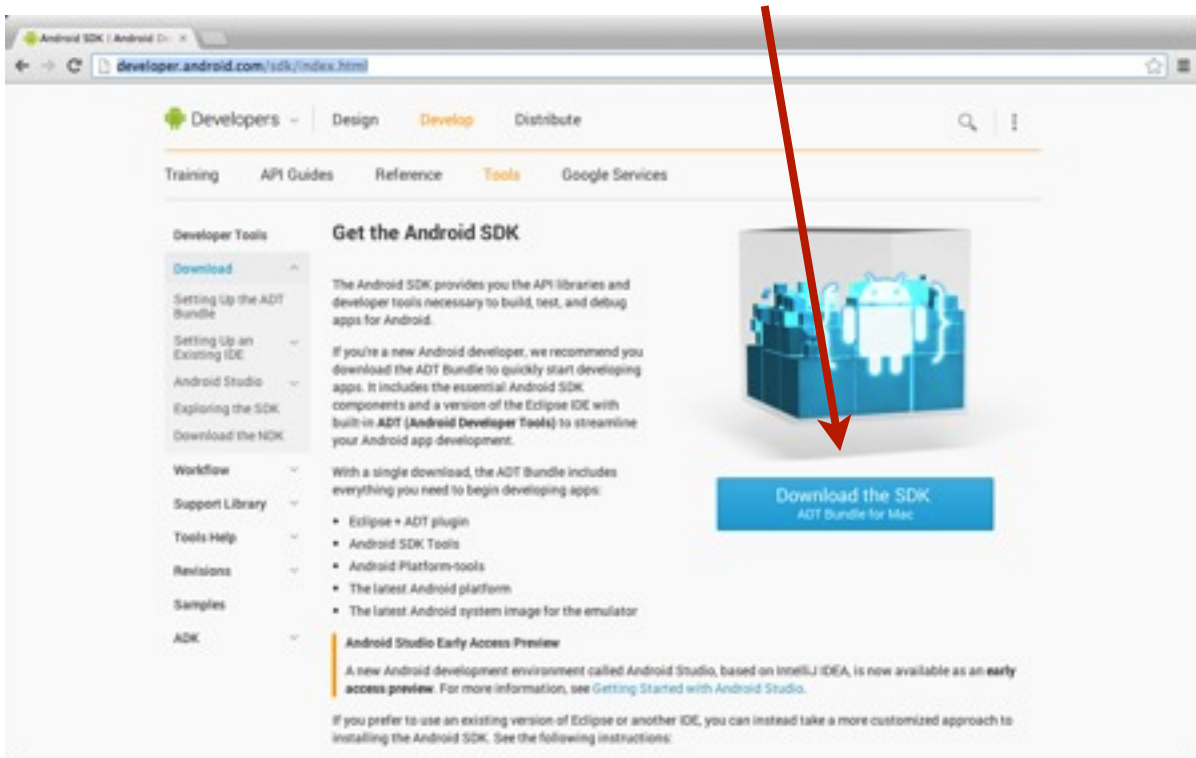


## Eclipse Tutorial

In this tutorial, I will be showing you how to download and install Eclipse, as well as teaching you how to create and test your first project.

You can download Eclipse at: <http://developer.android.com/sdk/index.html>



Make sure you download the version which is specified for your operating system, otherwise the programme will not run.

When you click “Download”, you will be prompted with the Android Developers terms and conditions. Have a read through them and if you agree; check the agree box at the bottom and your download will continue.

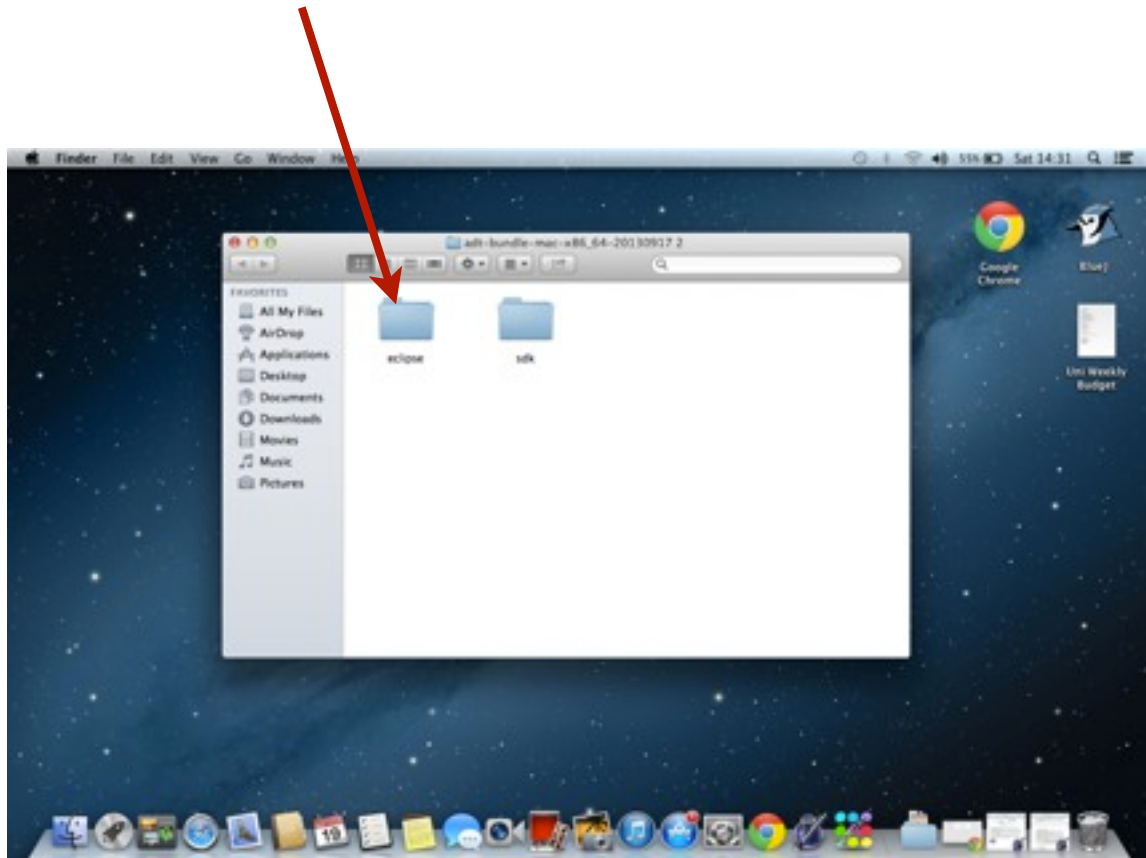
Once downloaded, install the files to your computer, including the SDK packages.

To do this, you must click on the downloaded file, run it and then follow the instructions (for Windows operating systems). If you're on a mac then you will need to double click on the blue folder in the corner of the screen.

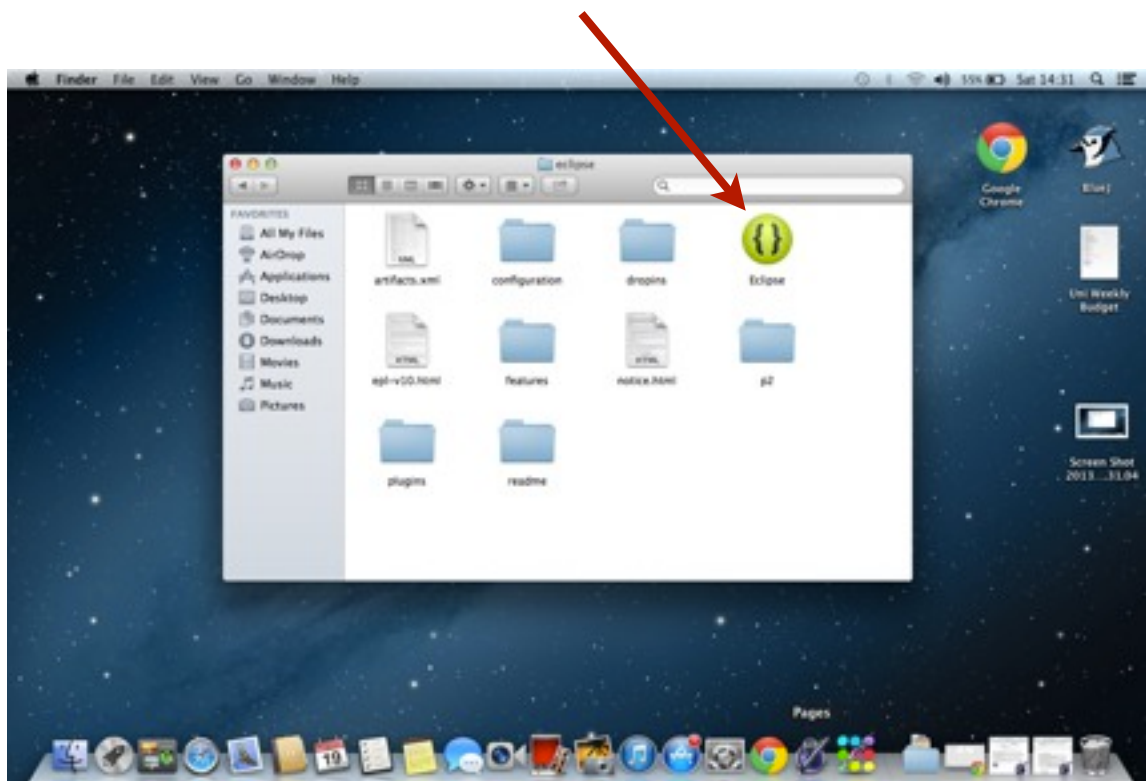


**Double Click this.**

Once this window has appeared, open the Eclipse folder.

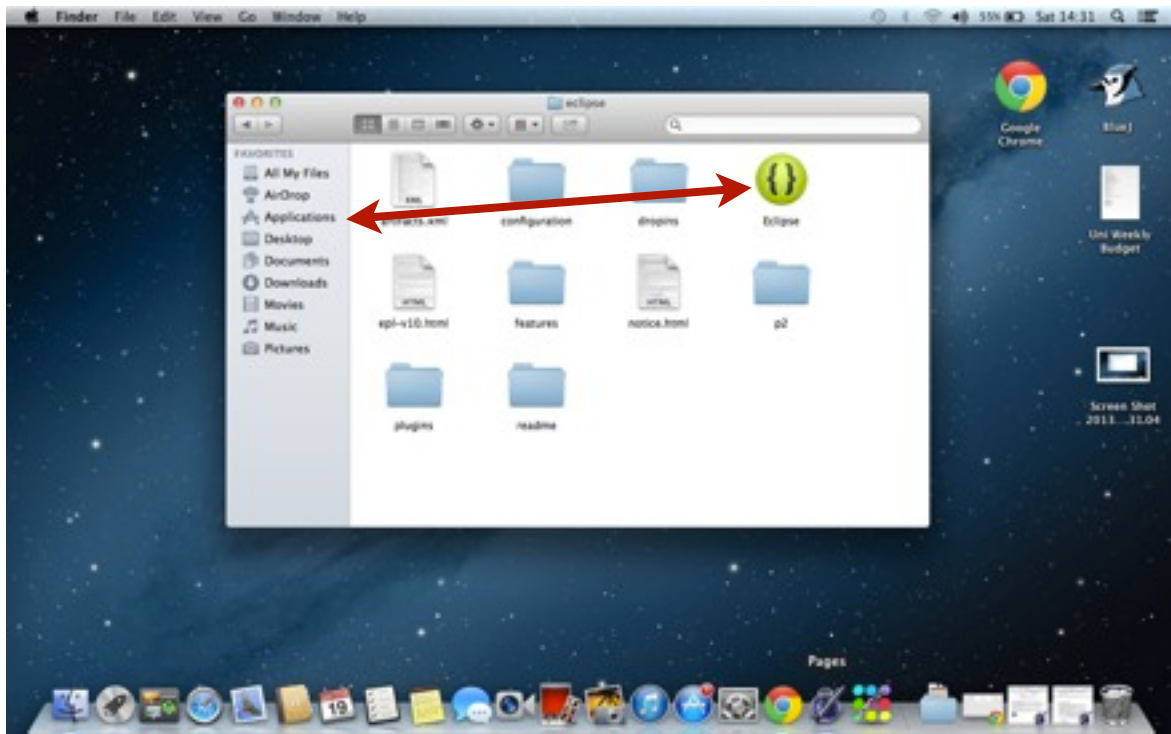


And then click on the green Eclipse icon and this will open the application.

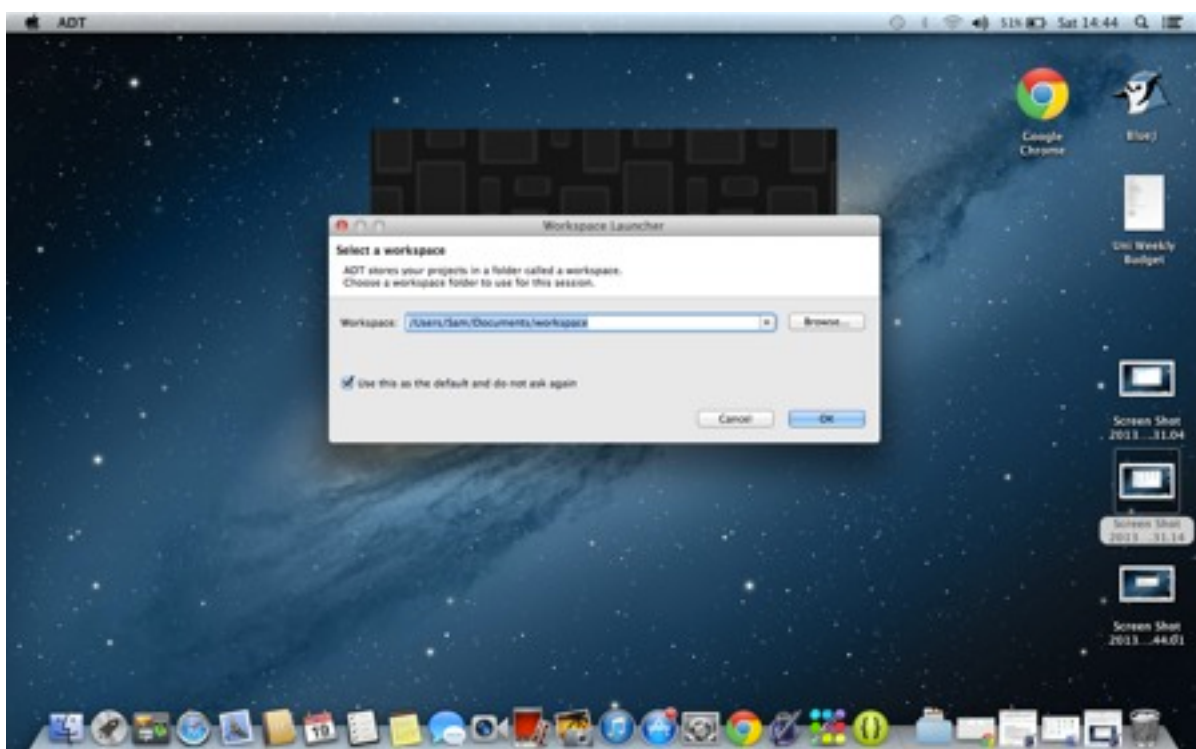


If you followed the instructions for the Windows install, then you should have automatically been given an application shortcut on the main screen. If not, go to start menu and search “Eclipse”, then open it and this will open the programme.

On a Mac, you need to drag the green icon from the folder and place it in the applications folder in “Finder”.

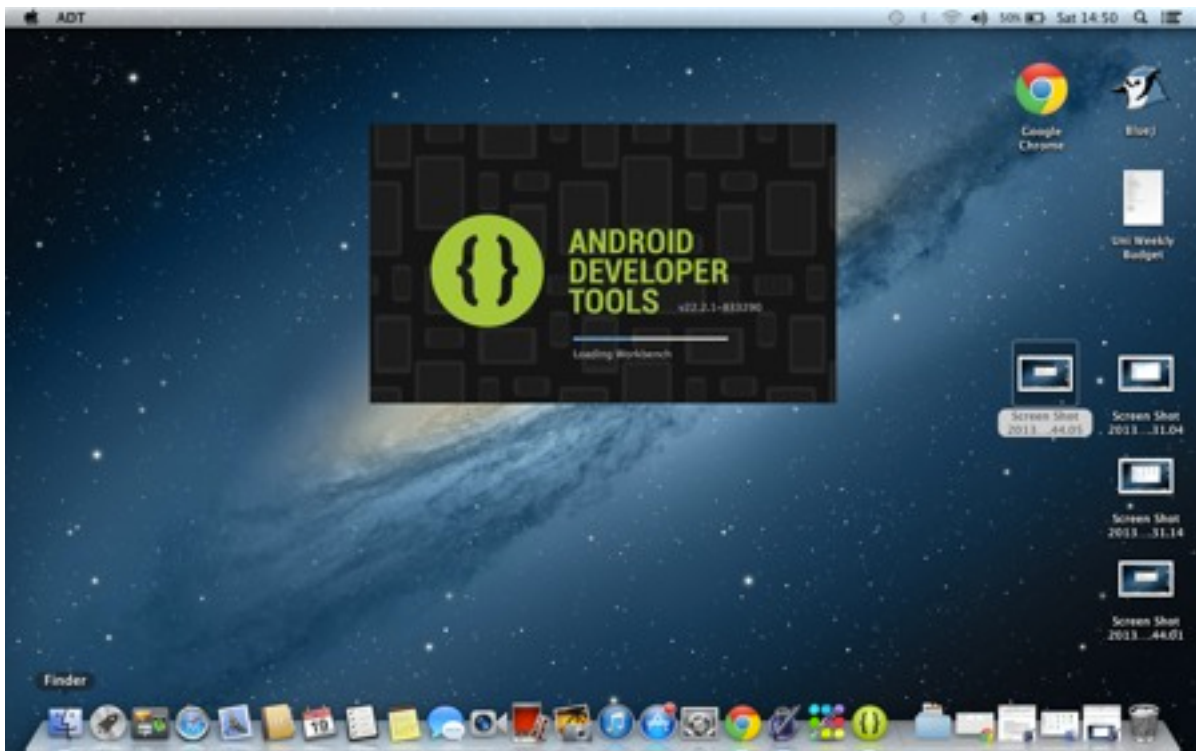


Now that it has been fully installed and you have opened the application, a dialog box will appear, as shown below:

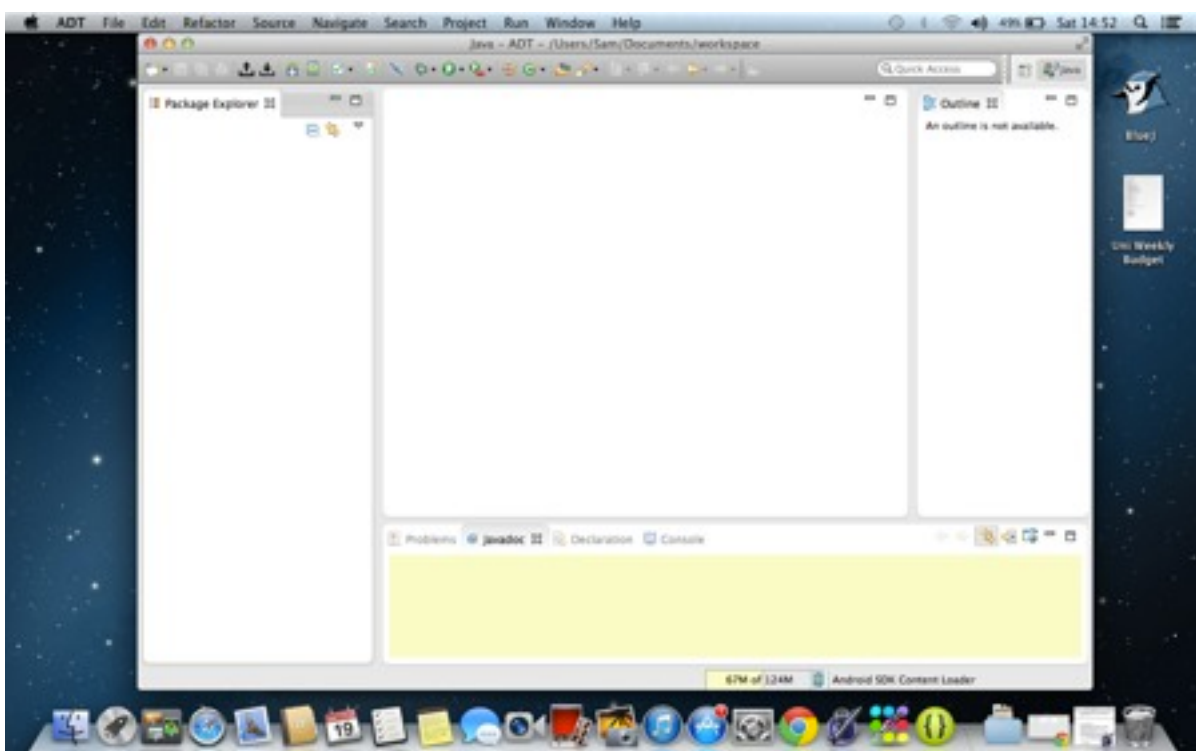


This is just asking you where you would like to save the files for your projects. If you wish to use the default then leave it as it is. If you would like to save it to a different place then click the “Browse” button and choose where you would like it. Once done, it’s up to you whether you choose to check the box, so after you have decided, click “OK”.

You should see it loading up the programme, similar to below (on Windows or other OS, it may look slightly different).

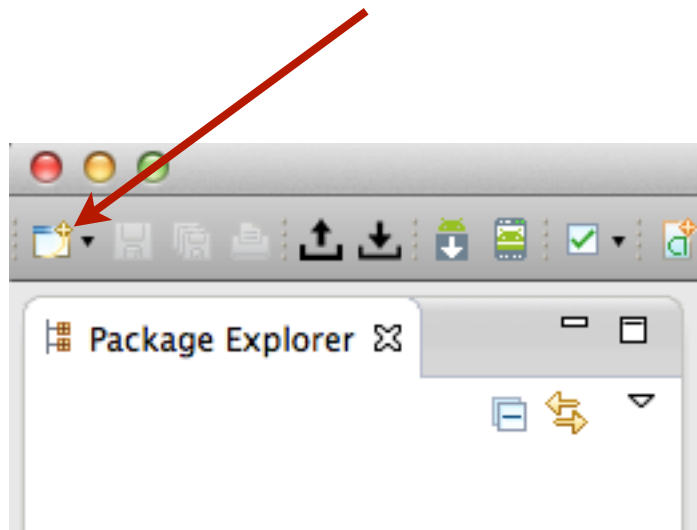


Once loaded, you should have a screen that looks like this.

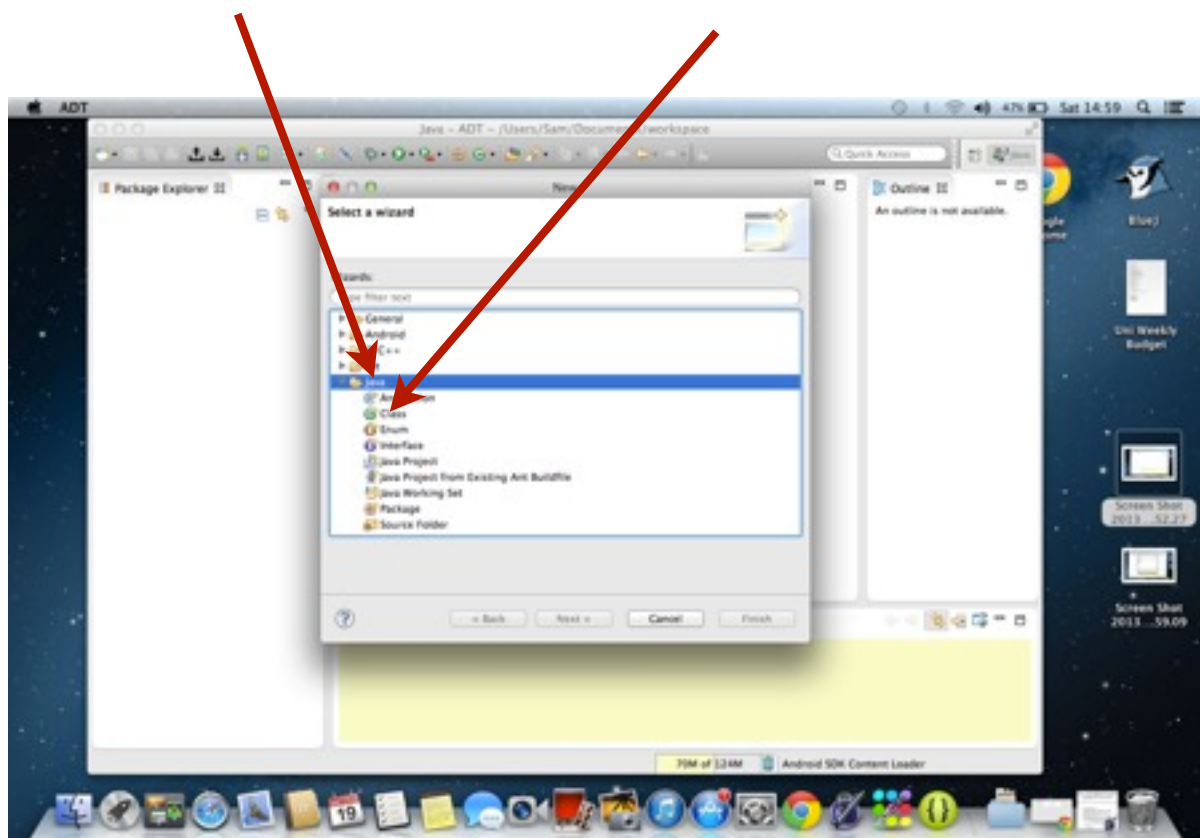




To create your first project, you must now open the project wizard. There should be a white/blue button with a plus symbol in the top left corner. Click on this, as shown below:



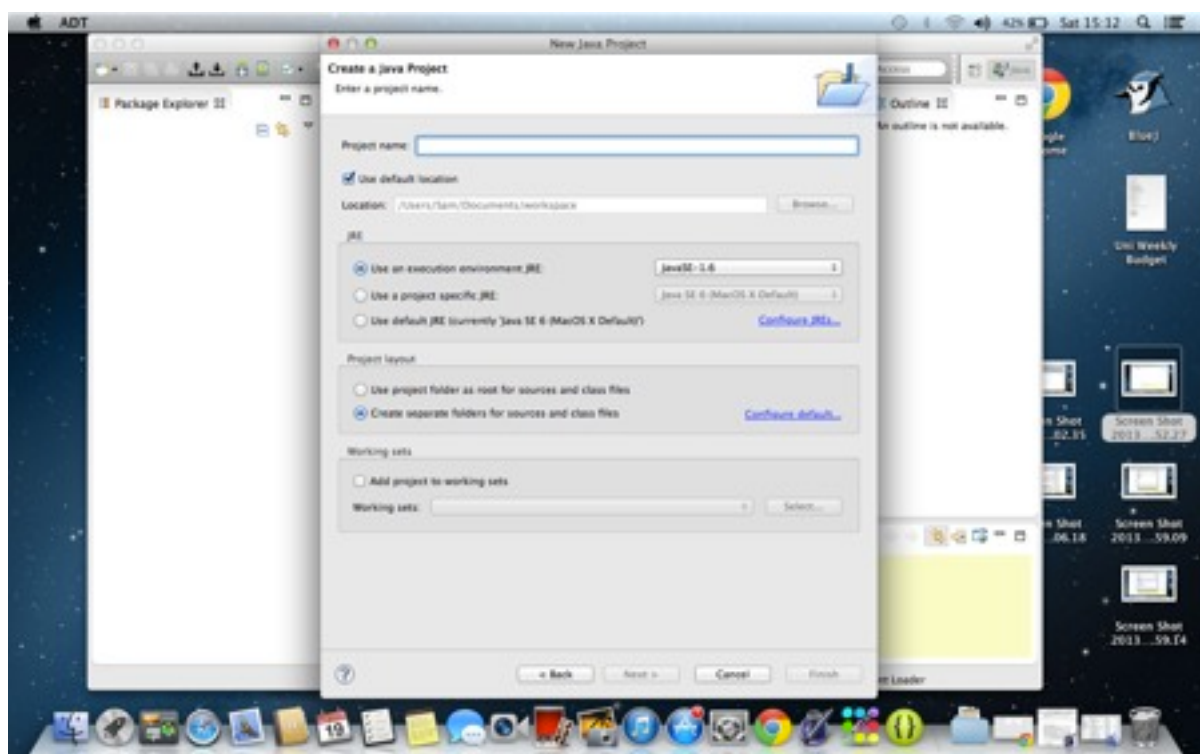
The project you are opening depends on the type of project you want to create. For this example, I will use Java. So once you have opened the project wizard, you may open the “Java” folder and then open the “Class” button.



There is a more simpler approach to creating a Java class in Eclipse. On the tab bar, there is a “Create project” button all you need to do is click this and then click yes when an “open project wizard” screen prompts and then click “Java” and then “Java Projects”:

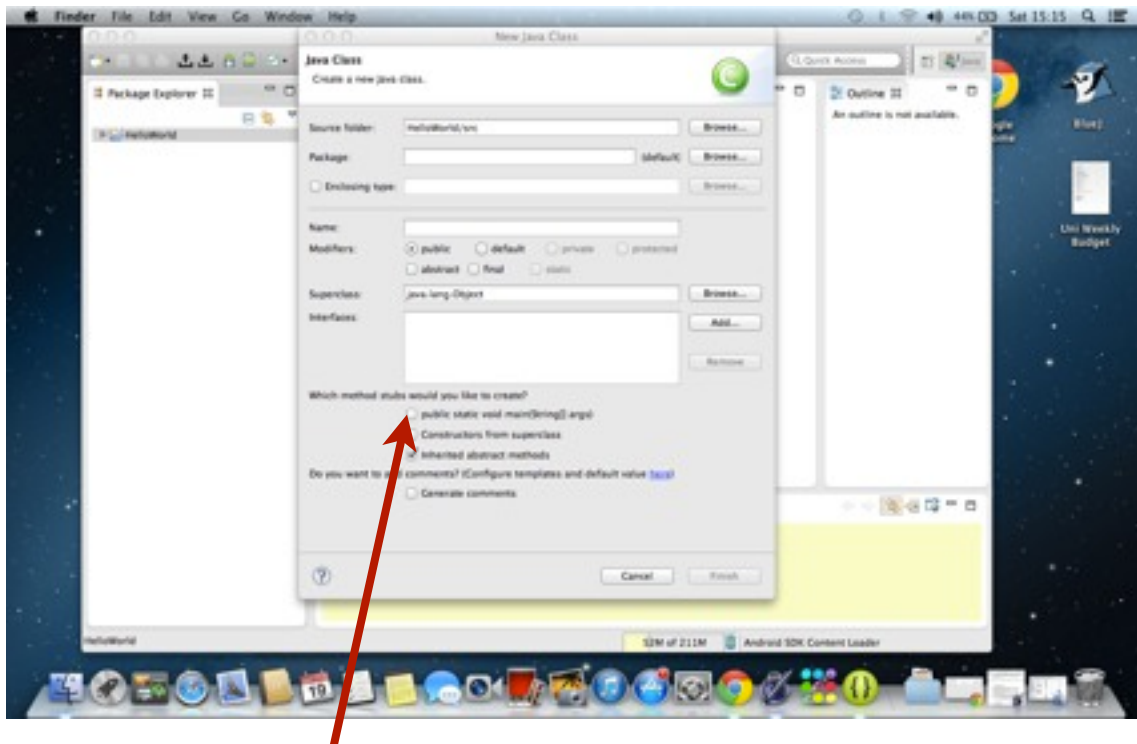


So, when you have decided which route to take to create your Java class (I recommend the second option”, this screen should appear:



Choose a project name, in this example, I am going to use the popular “Hello World” example, but you can tailor this to make it print whatever you like. When you have picked a name, click “Finish”.

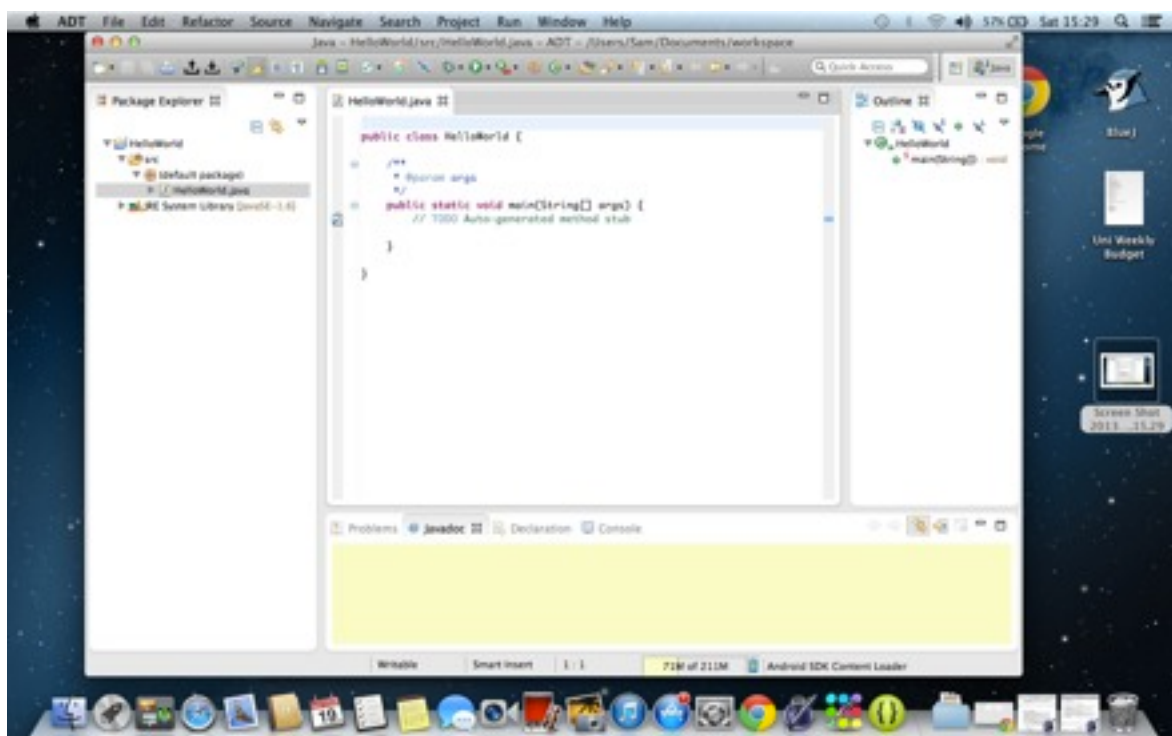
When you have done that, you will see this screen. Edit the “Name” and change it to the same name as you chose in the previous window.



Make sure you check this box “Public static void main(string[] args)”. This allows you to use mutator methods. It’s entirely your choice to check this box, but for this example we need to check this.

If you wish to create a class with multiple objects then you will also need to check the box underneath that says “Constructors from superclass”.

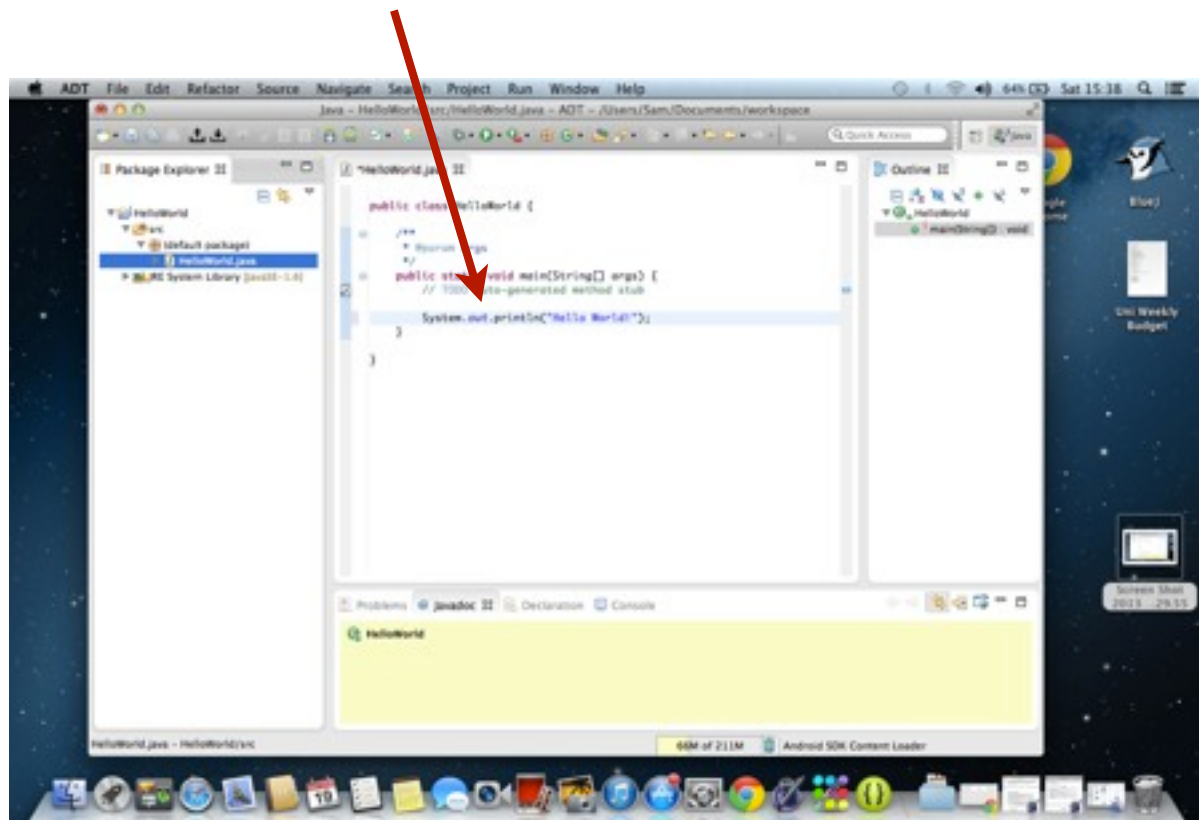
For now, just check the first one and click “Finish” and you should see this:



Your package explorer on the left of the screen shows all of the different packages within your project. You can manipulate and change these by clicking on the folder icons and entering code.

For now, we need the “HelloWorld.java” package open because this is the main project and this code needs to be changed.

Your lines of code need to be typed within the two parameters. In this example, we want Eclipse to print us a message. So, in between the two parameters, type: “`System.out.println(“Hello World!”);`,” or whatever message you wish to print, an example is shown below:



Now you need to save this file by clicking the save icon in the top left corner.

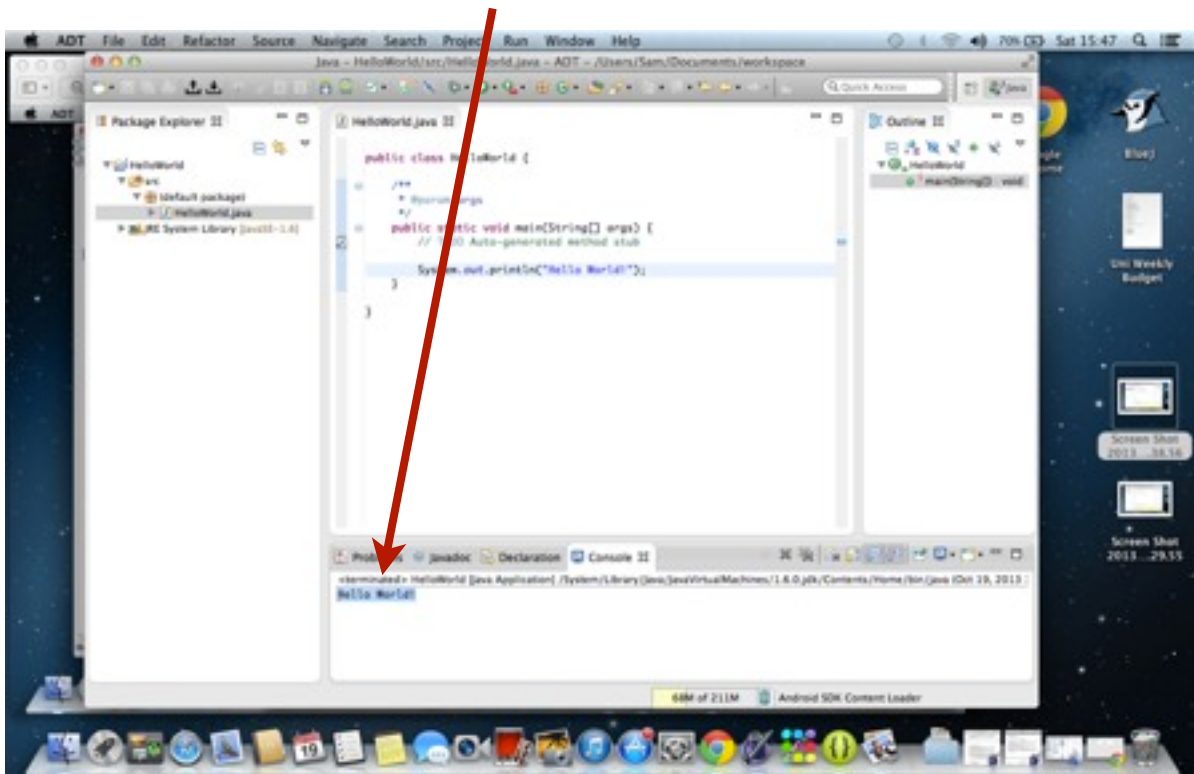


Then we need to run this, to test whether it prints our message. So, click the little green “play” icon, in the tab bar, as shown below:





If you followed the instructions step-by-step, then Eclipse should have printed your message in the print console as highlighted:



This tutorial was created because I saw an outdated version on the Eclipse forums that was posted in 2009. This tutorial is based on the current version of Eclipse (2013). The original tutorial that I found can be seen by following this link:

<http://www.javaprogrammingforums.com/java-jdk-ide-tutorials/253-beginners-eclipse-tutorial-how-run-first-java-application-eclipse.html>