

1 Installing Eclipse on Your Personal Computer

If you want to install Eclipse on your personal computer, follow the instructions for your computer platform.

1.1 Windows

1. Download the Eclipse IDE from the Eclipse website.
 - (a) Go to `eclipse.org`.
 - (b) Click on the Download button.
 - (c) Click the Download Packages link under Get Eclipse.
 - (d) Click the Eclipse IDE for Java Developers link.
 - (e) Click either the Windows 32-bit or the Windows 64-bit download link depending on your system, the bit version of your JVM must match the bit version of Eclipse. You may wish to download them both if you do not know which one is correct for your computer. If you get an error when you try one of them the other should work.
 - (f) Click Download, the file will be stored in the Downloads folder of your computer. The file will be a zip file with a name that begins with `eclipse-java`.
2. Unzip the file. The process here will depend on the zip utility you have installed. In most cases you can right click the zip file, go to either the zip utility submenu or it may be listed in the main popup menu, and select something like Extract Here. When this is finished you should have a new folder called `eclipse`.
3. Most programs that are designed for Windows computers have an installation process, Eclipse does not, it is completely stand-alone, and is ready to run. You may move the `eclipse` folder to any place on your computer, just remember where it is since you will need to use it to start Eclipse.
4. After you have moved the folder to where you want it, go into the `eclipse` folder and you will see a file `eclipse.exe` with the eclipse icon. If you double-click `eclipse.exe`, Eclipse should start. If you get an error, you may have downloaded the wrong bit version of `eclipse`, if so, go back and download the other version and repeat the above process.
5. Once Eclipse has started you will be asked for the workspace you want to use. If you have not already created a folder for your work, you may wish to cancel Eclipse and create a folder before opening Eclipse. You are now ready to go. You can create a shortcut to Eclipse and place it on your desktop and/or pin it to your start menu or taskbar.
6. At this point you can delete the `eclipse-java-XXX.zip` file (where XXX is just the rest of the name).

1.2 Mac

1. Download the Eclipse IDE from the Eclipse website.
 - (a) Go to `eclipse.org`.
 - (b) Click on the Download button.
 - (c) Click the Download Packages link under Get Eclipse.
 - (d) Click the Eclipse IDE for Java Developers link.
 - (e) Click Mac OS X (Cocoa) 64-bit.
 - (f) Click Download, the file will be stored in the Downloads folder of your computer. The file will be a tar.gz file with a name that begins with eclipse-java.
2. The download will go to your Downloads folder. You will normally have an icon for the Downloads folder on the right-hand side of the dock. Find eclipse-java-XXX.tar.gz (where XXX is just the rest of the name) in your Downloads folder, and drag it to the Desktop. Then double-click it. You will see a folder named “eclipse.”
3. Drag the “eclipse” folder into your Applications folder. The easiest way to do so is to open a new window in the Finder and click on Applications in the list you get on the left-hand side. Then drag the “eclipse” folder in with the other applications. Make sure that you do not drag it into a folder that’s already within Applications. In other words, when you’re done, the Applications folder should have directly within it a folder named “eclipse.”
4. (This step is not required, but it’s strongly recommended.) Double click the “eclipse” folder. You’ll see an application named “Eclipse”; it has a purple icon with white horizontal stripes. Drag it into your dock. Now you will be able to launch Eclipse by clicking on the icon in the dock.
5. You may now drag eclipse-java-XXX.tar.gz to the Trash. Empty the Trash whenever you wish.
6. When you launch Eclipse for the first time, you’ll be asked “‘Eclipse’ is an application downloaded from the Internet. Are you sure you want to open it?” Click “Open.”

Note that if you get an error that the version of Java is too old then you will need to update the Java JVM. This is common on the Mac. Search for “Java JDK” and you should get the correct site on the first hit or so. You will be taken to the Oracle web site where you can download the Java JDK. Follow the install instructions from the Oracle web site.

1.3 Linux

1. Go to `eclipse.org`.
2. Click on the Download button.

3. Click the Download Packages link under Get Eclipse.
4. Click the Eclipse IDE for Java Developers link.
5. Download either a 32 or 64 bit version, whichever matches your distribution.
6. The download will be a tar.gz file, untar it, copy the eclipse folder to wherever you want it, and run the eclipse executable file in the eclipse folder.

Most likely, Eclipse will also be installable from your distribution's software manager. It might be an older version but that will not matter for us. In case your version of Java is too old, your software manager should have OpenJDK available for download.

2 Class Examples

On the MyClasses page for this class (or on the Classroom Resources page of my web site) there are links to the examples code for this class. This is a single zip file that contains a single Eclipse workspace with all of the example projects. Unzip the file and you should have a new folder named AllJavaCodeExamples that contains approximately 150 example projects. To access the examples in Eclipse, just switch your workspace to the AllJavaCodeExamples folder.