

# Downloading and Installing Java, Eclipse, and becker.jar at Home

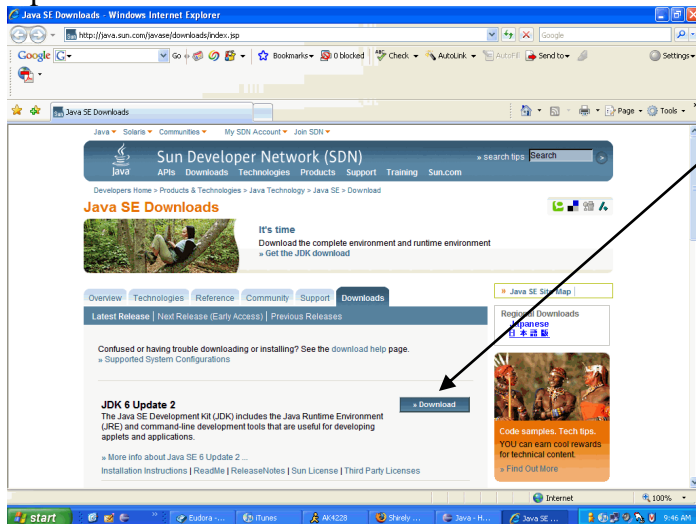
It is important that you download and install Java **before** you download and install Eclipse.

168 will use Java 6.0 and Eclipse 3.4. If you have a Mac, you may have problems as the semester progresses. Although Java and Eclipse exist for both, Macintosh versions typically lag behind and are less supported. These instructions are geared for Windows users. If you have a Mac, please see your instructor for additional help.

## Downloading and Installing Java

Note that the pictures show JDK 6 Update 2. You will actually be downloading and installing JDK 6 Update 7. However, the process will be the same.

Go to <http://java.sun.com/javase/downloads/index.jsp> and click on the download link for JDK 6 Update 7

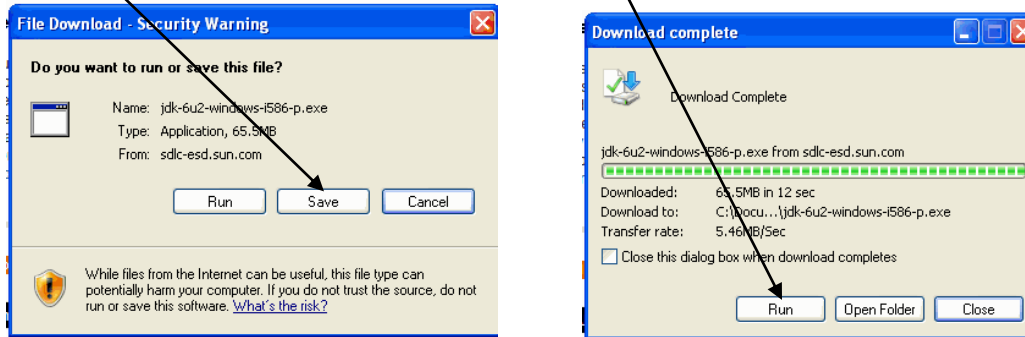


You must allow nonsecure items to be displayed and you must accept the user agreement to continue. When you get to this page you may choose online or offline download. These instructions are for offline downloading. Check the box and choose the link.

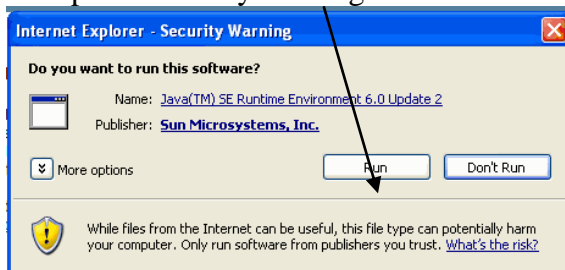


Note: You may be asked to register with Sun. If so, follow all instructions, then close the browser and start over from the original link in this document.

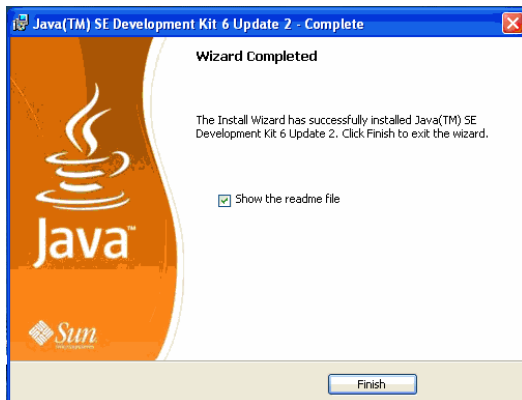
Select Save from the first popup window and Run when the download is complete.



Accept the security warning and follow all onscreen instructions (accepting default values).



Click Finish.



## **Downloading and Installing Eclipse**

Eclipse can be found at [www.eclipse.org](http://www.eclipse.org). Click on the large download button.



We'll be using Eclipse Classic 3.4. Clicking on the link or the word Windows to the side will take you to the download page for Windows. Click on Mac OS X to get to the download page for Macs.

Toward the top of the page, click on the computer to start the download process (the download site may vary):



**Download from: [United States] ibiblio (http)**

...or pick a mirror site below.

You'll need to save the downloaded file onto your computer. Make sure that you remember where you saved the file and what it is called (I'd suggest doing this on the desktop). Be aware that this download may take a significant amount of time.

Eclipse does not install like most Windows programs. All you have to do is extract all of the Eclipse files into the folder in which you wish to place Eclipse. This extraction can be done using a variety of tools, including the Aladdin Expander provided in the ISU Internet Tools available from the Help Desk. Once you have expanded (or extracted) the Eclipse files, you should have a folder named Eclipse. Inside that folder will be the Eclipse icon. Double-click on that icon to start running and using Eclipse at home.

### **Special note for the first time you use Eclipse at home:**

If you are working at home, you may want to work directly on your H:Drive. This will prevent you from needing to transfer files. However, if you are off campus you will have to use the VPN client to do that and accessing files over the network can be time consuming. If you choose to work at home, you need to create a work folder. Make certain you remember the location of the work folder. If you do work from home you could connect to ADILSTU using the VPN client and transfer your files when you are finished. That would prevent the need for carrying files on a flash drive. Always make sure your files are backed up somewhere if you work at home. All files on the department H:Drive are backed up regularly. When you move files to your H:Drive use the import feature of Eclipse as described in lab. Just moving can leave your projects out of date and confused.

### **Becker.Robots.jar**

The textbook uses a library prepared by the author. If you are going to work on your personal computer (rather than on your H:Drive), you will need to copy the file becker.jar to your computer. The easiest way is to put it on the desktop, but if you choose to put it somewhere else, make sure you remember where it is located. You can find the file containing the Becker library in several different places. The file is on the T drive: T: Java / jars / becker.jar. It is also online at <http://www.learningwithrobots.com/software/downloads.html>. If you use this website to get the file, be careful about the file extension. Your download software may try to change the file from becker.jar to becker.zip. Be sure to name the file becker.jar.

### **Additional Installation Information on Windows Vista**

It is vital that you install the JDK Development Package BEFORE installing Eclipse. In addition, make absolutely sure it is the correct JDK, otherwise Eclipse will fail to open or display errors when attempting to create a Java Project.