Download and Installation Instructions for Java JDK Software for Mac OS X

Updated November 2018

The CompuScholar *Java Programming* and *Android Programming* courses use the Java Development Kit (JDK) software. This software is a free download specifically created for building Java applications.

This document will guide you through the download and installation procedure for setting up the JDK on your computer. This software is required for students in order to complete the course. Teachers who wish to view activity solutions or projects on their own computer are also encouraged to install this software.

Changes to 3rd Party Websites

3rd parties such as Oracle, Inc. may change their websites without notice. Your download experience may not match the exact screen shots shown below in minor cosmetic ways. If you encounter significant changes, please contact us for updated instructions.

Copyright Notices:

Java, Java Development Kit (JDK) and related terms are all copyright by Oracle Corporation. Please see <u>http://www.oracle.com</u> for more details.

This document is copyright by CompuScholar, Inc. This document may not be transmitted or reproduced without written permission except under terms of your purchased course license.

Disclaimer:

CompuScholar, Inc, and their officers and shareholders, assume no liability for damage to personal computers or loss of data residing on personal computers arising due to the use or misuse of this course material. Always follow instructions provided by the manufacturer of 3rd party programs that may be included or referenced by our courses.

Let's Get Started!

Note: All highlights below are added for emphasis and are not present on the actual pages.

Mac Versions

On most installs of Mac OS X, the Java Development Kit (JDK) is already installed. If you don't know what version of OS X you have on your Mac, you can find out by choosing "About this Mac" from the "Apple" menu. You will see a screen like the one below:



If you have OS X version 10.5.x or 10.6.x, then the JDK is already installed and there is nothing left for you to install. You can open a Terminal window and verify the Java version by following the instructions on the next page.

If you have OS X version 10.7 or later, then the JDK may not be installed. You can follow the steps below to install the JDK on your machine.

Installing the JDK on Mac OS X 10.7+

Installing the JDK on Mac OS X or greater is extremely simple. Both the JRE and JDK are always installed as a pair.

First, you need to open the Terminal program by clicking on "Go" \rightarrow "Utilities" \rightarrow "Terminal". Then type "java -version" and hit Enter. If the JDK is already installed, you will see the version:

If the JRE and JDK are not installed, you may see a message like this one:

are				
you	To open "java," you need a Java runtime.			
sage	Would you like to install one now?			
	Note: Use of this software is subject to the Software License Agreement applicable to the software you are downloading. A list of Apple SLAs may be found here: <u>http://www.apple.com/legal/sla/</u>			
	Not Now Install			

To install the JRE and the JDK, just choose the "Install" button and follow the directions on the screen. Once the install is complete, you can go back to the Terminal program and type in "java -version" again. This time you should see information about the currently installed JRE and JDK:



Note that any recent version of Java (1.8, 1.10, 1.11 or later) will work for this course. Your actual version of Java may not match the one shown above. Oracle may also list the versions as 8, 10 or 11.

Now your JDK is installed and ready to use.

Upgrading Your Mac OS Java Version (from 10.6 or 10.7)

If you have an older version of Java, you may want to upgrade your Java version to a more recent version (e.g. version 10 or 11). This process is fairly simple on Mac OS.

The first step is to find the appropriate Java download for your Mac. The current version can be found at the following location: www.oracle.com/technetwork/java/javase/downloads/index.html.



Then click on the Download button for the most recent version of the Java Platform (JDK).

You should then be sent to a download screen that looks like the one below.

Java SE Development Kit 10.0.2 You must accept the Oracle Binary Code License Agreement for Java SE to download this software. Thank you for accepting the Oracle Binary Code License Agreement for Java SE; you may now download this software.						
Product / File Description	File Size	Download				
Linux	306 MB	jdk-10.0.2_linux-x64_bin.rpm				
Linux	338.43 MB	idk-10.0.2 linux-x64 bin.tar.oz				
macOS	395.46 MB	jdk-10.0.2_osx-x64_bin.dmg				
Solaris SPARC	207.07 MB	dk-10.0.2_solaris-sparcv9_bin.tar.gz				
Windows	390.25 MB	idk-10.0.2 windows-x64 bin.exe				

You will want to choose the file that is designed for your Mac OS. When you click on that file, your web browser will download the program to your computer.



Once the file has completed downloading, find and run the program. You should see the following screen:



To begin the installation process, double click on the brown and yellow "package" on the screen. The installation will take you through a series of screens to install the new Java version.



The first screen will just tell you about the program that you are installing. Just click on "Continue" here.

The second screen will tell you how much space will be required to install the Java software on your computer. You can then click on the "Install" button.



	Installer is trying to install new software. Type your password to allow this.				
	Name: student Password:				
?	Cancel Install Software				

You may be required to give the Administrator username and password in order to install the software. Once you have provided this information, you can click on "Install Software". The next screen will display progress information as the Java software is installed on your computer.

0 0 0	🥪 Install JDK 10.0.2	
	Installing JDK 10.0.2	
 Introduction Destination Select Installation Type Installation Summary 	Writing files Install time remaining: About 3 minutes	
ORACLE	Go Back Continue	

Finally, the software will let you know the installation process was completed successfully.



To confirm the installation was successful, you can open the Terminal program again and re-type "java -version" and hit Enter. You should now see the current version installed:

