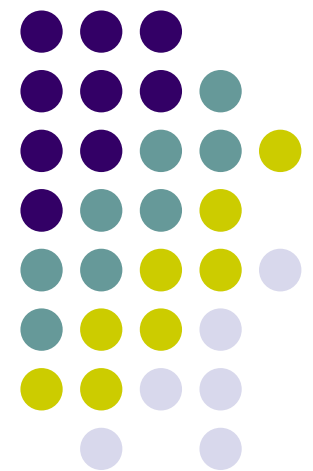


**CS 525M Mobile and Ubiquitous
Computing
Tutorial 1: Introduction
by Bucky Roberts (thenewboston)**

Emmanuel Agu





Tutorial 1: Introduction

- Updated from his previous tutorial, covers app development using Android Studio
- Tutorial 1: Introduction [9:49 mins]
 - <https://www.youtube.com/watch?v=QAbQgLGKd3Y>
- Topics covered:
 - Introduce Android Studio,
 - Download/install Java JDK,
 - Set JAVA_HOME environment variable



Install Java Development Kit (JDK)

- Android Apps programmed in Java
- Need Java Development Kit (JDK)
- Probably already installed on your machine
- If not, here are the steps:
 - Google “Download Java JDK”
 - Java SE download link from oracle usually the first result of search

Click on this Java SE link from Oracle



The screenshot shows a Google search interface with the following elements:

- Search Bar:** Contains the text "download java jdk".
- Search Results:** The top result is "Java SE - Downloads | Oracle Technology Network | Oracle" with a URL "www.oracle.com/technetwork/java/javase/downloads/". A red box highlights this title, and a red arrow points from the text above to it.
- Search Snippets:** Below the main result, there are several snippets for "Java SE Development Kit 7", "Java SE Runtime Environment 8", "Java SE Development Kit 8", "Java SE 7 Archive Downloads", "Java Runtime Environment", and "JDK 7 and JRE 7 Installation ...".
- Taskbar:** At the bottom, there are several open applications: "android-studio...exe", "eclipse-java-ind...zip", "eclipse-java-ind...zip Cancelled", and "eclipse-java-lun...zip". A "Show all downloads..." button is also visible.

- Java SE
- Java EE
- Java ME
- Java SE Support
- Java SE Advanced & Suite
- Java Embedded
- Java DB
- Web Tier
- Java Card
- Java TV
- New to Java
- Community
- Java Magazine

- Overview Downloads Documentation Community Technologies Training

Java SE Development Kit 8 Downloads

Thank you for downloading this release of the Java™ Platform, Standard Edition Development Kit (JDK™). The JDK is a development environment for building applications, applets, and components using the Java programming language.

The JDK includes tools useful for developing and testing programs written in the Java programming language and running on the Java platform.

See also:

- [Java Developer Newsletter](#) (tick the checkbox under Subscription Center > Oracle Technology News)
- [Java Developer Day hands-on workshops](#) (free) and other events
- [Java Magazine](#)

JDK MD5 Checksum

Looking for JDK 8 on ARM?

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Java SE Development Kit 8u25

You must accept the [Oracle Binary Code License Agreement for Java SE](#) to download this software.

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Product / File Description	File Size	Download
Linux x86	135.24 MB	jdk-8u25-linux-i586.rpm
Linux x86	154.88 MB	jdk-8u25-linux-i586.tar.gz
Linux x64	135.6 MB	jdk-8u25-linux-x64.rpm
Linux x64	153.42 MB	jdk-8u25-linux-x64.tar.gz
Mac OS X x64	209.13 MB	jdk-8u25-macosx-x64.dmg
Solaris SPARC 64-bit (SVR4 package)	137.01 MB	jdk-8u25-solaris-sparcv9.tar.Z
Solaris SPARC 64-bit	97.14 MB	jdk-8u25-solaris-sparcv9.tar.gz
Solaris x64 (SVR4 package)	137.11 MB	jdk-8u25-solaris-x64.tar.Z

Java SDKs and Tools

- [Java SE](#)
- [Java EE and Glassfish](#)
- [Java ME](#)
- [Java Card](#)
- [NetBeans IDE](#)
- [Java Mission Control](#)

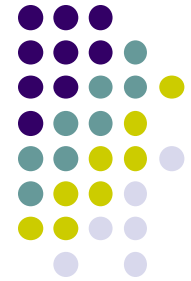
Java Resources

- [Java APIs](#)
- [Technical Articles](#)
- [Demos and Videos](#)
- [Forums](#)
- [Java Magazine](#)
- [Java.net](#)
- [Developer Training](#)
- [Tutorials](#)
- [Java.com](#)

Webcast **Virtual Technology Summit**
Content Now OnDemand

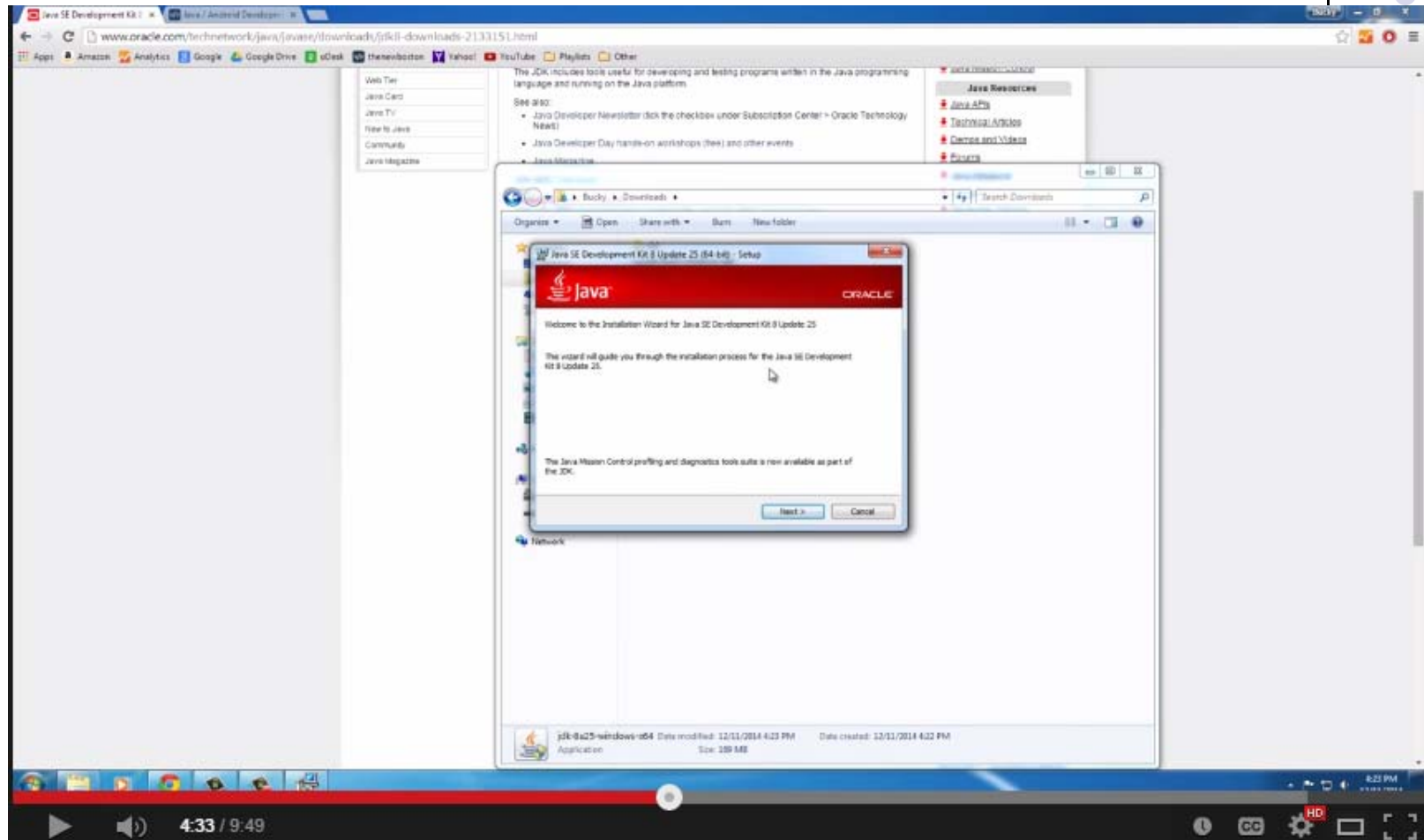
Watch Now! >

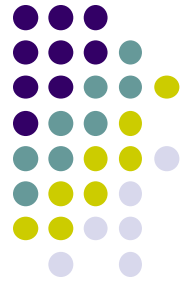
NEW!



Pick the correct version for your machine (Linux, Windows, Mac, etc)

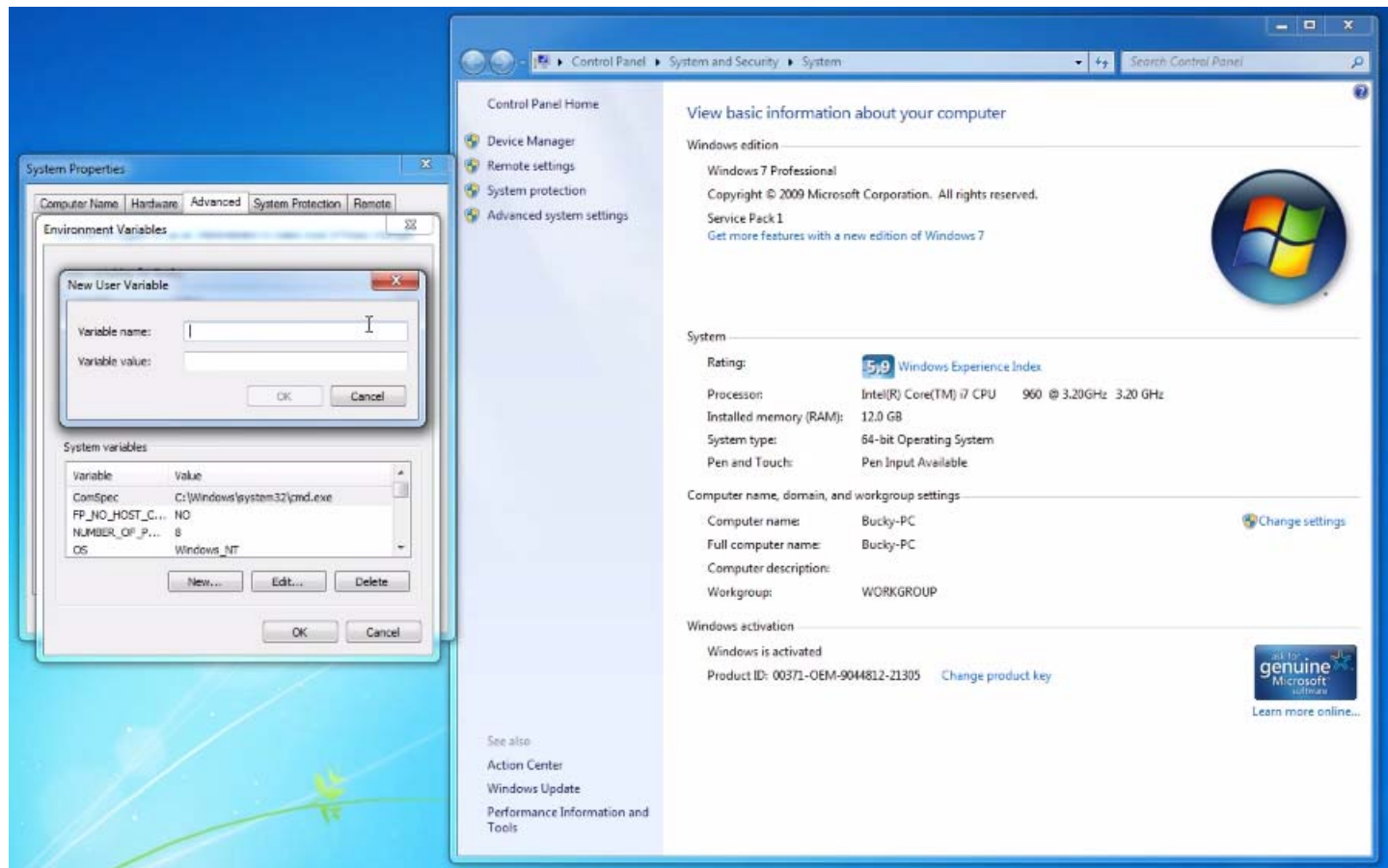
Run JDK Installer (.exe file)





Set JAVA_HOME Environment Variable

- Right-click on computer
- Click on Advanced System Settings
- Click on “new”, set JAVA_HOME environment variable





References

- Bucky Roberts, Android App Development for Beginners - Tutorial 1: Introduction [9:49 mins]
 - <https://www.youtube.com/watch?v=QAbQgLGKd3Y>