Java Programming AP Edition
U1C1 Introduction to Computer, Programs and Java

SOFTWARE INSTALLATION

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Installation of Java

❖Java Development Kit (JDK, current version JDK 8), We use Java SE platform.

Including Java Complier, Java API libraries (JavaFX) and Java Virtual Machine.

❖BlueJ Integrated Development Environment (IDE)

An academic-style software development environment for Java program. It is fully coupled with Java language. It is convenient to use and very suitable for students.

http://www.bluej.org/

❖Eclipse: Another IDE, yet more powerful and more popular.
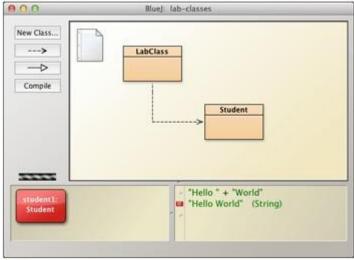
https://eclipse.org/downloads/

❖Netbeans: Another IDE, originally bundled with Java.

https://netbeans.org/downloads/

BlueJ with Java 8 JDK Installer
Easiest way to install

Java JDK 8 + Eclipse

If you choose to use Eclipse or NetBeans as the IDE, you may need to install the Java Development Kit first.

http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html

Step 1: download the Java 8 JDK

Step 2: install it

Step 3: change the environment variable Path (in Windows case)

Then, you may download and install the

Eclipse

Installation of Eclipse

❖Please choose the **Java Developer Package** version, not the Java EE (Enterprise Edition).

❖Most recent version is **Eclipse Mars**. I have Eclipse **Juno**, and **Luna**.   It does not matter that much, but newest version still be recommended.

❖Eclipse is an IDE for **cross platform**, **cross-language** (Java, Python, C/C++, PHP, Javascript) IDE , and many other languages.

❖You may need to download many plugin to make your environment more convenient. I will not show it here to keep the course simple for beginners. You are welcome to try it. There are certainly enough information in Web or Youtube.