**AP JAVA**

# AP JAVA intro

* Paper written test (No computer at all)
* Official website: <https://apcentral.collegeboard.org/courses/ap-computer-science-a>
* Only a small part of Java is tested in APCSA

# Java 101

* Popularity in TIOBE programming ranking
* JAVA spec VS. JAVA implementation. OpenJDK, Oracle JDK
* Java VS Python: compiled, static type
* Java VS C++: compile once and run everywhere duo to platform independent byte-code

# JAVA Development environment setup

## OpenJDK installation

* Download OpenJDK from <https://openjdk.org>
* Set Environment variables: JDK\_HOME, PATH=%JDK\_HOME%\bin
* java -version

## Editor (notepad)

To prepare for the paper based APCSA, certainly advanced features like “code autocompletion”, “auto indentation” are BAD.

A simple plain text editor is good, such as Notepad for Windows.

## Hello World for Java

* Write Hello.java
* Compile: javac Hello.java
* Run: java Hello