

# JAVA

Why JAVA?

1. Platform Independent (WORA - Write Once Run Anywhere)

Platform -> Combination of OS + underlined Hardware

C & C++

C Compiler produces an executable file which run on only specific platform.

Extension of source file for java -> .java

Extension of compiler -> .class  
(intermediate byte code)

WORA - Write Once Run Anywhere

Run on any database

Run on any web server

To check the version of JDK

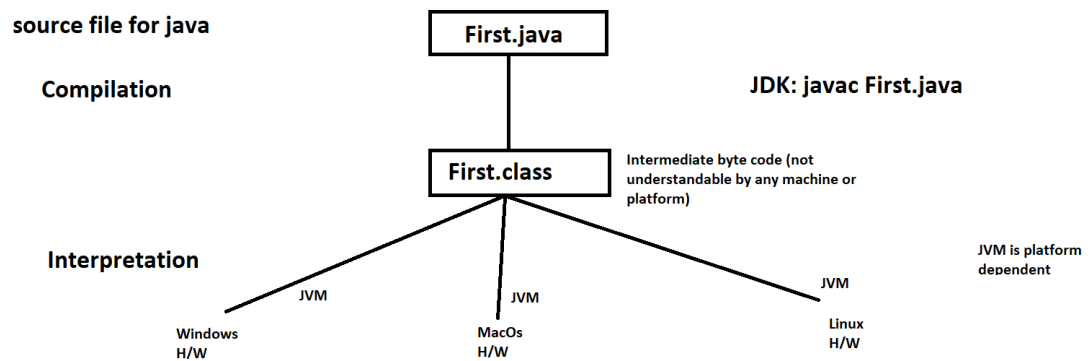
go in cmd(Command Prompt) -> java -version

This PC -> Local Disk(C) -> Program Files ->

Java -> jdk-21 -> bin (copy the path)

Add it in environment variables

Development Cycle:



Simple & Robust:

Robust:

- Automatic Memory Management
- Exception Handling
- Platform Independent
- Thread Management

Secure

Automatic Garbage Collection

Multi-threaded support

Object Oriented Support