



CS-140

Development Environment

Java Compatibility

- Because Java runs on a Java Virtual Machine (JVM)
 - As long as the JVM is the same level,
 - Java bytecode will produce the same results on any hardware
- Because Java has a well controlled "development kit" (JDK)
 - As long as the JDK is the same level
 - The Java compiler will produce the same bytecode from Java source code on any hardware
- Install the right JDK/JVM, and I can run anywhere!

Best Option : Develop on Your Computer

- Always available
- Easy to run both Zoom and Java (participate in labs)
- Simplest solution
 - It's simple to install Java and any other tools you need
 - You will need to install software, so you need authority/access
- By far the best performance
 - Probably the only practical alternative unless you're on-campus

Setting Up Your Own Computer

- You will need to install the Java Development Kit
 - See [Amazon Corretto Installation](#)
- You will need to install Git-Bash
 - See [Using GitBash / Emulators](#)
- You may want to install a context sensitive text editor
 - See [Using Emulators - Choosing an Editor](#)
- Eventually you will install the Eclipse Integrated Development Environment, but not until the second half of the semester

Other Options

- There are three other alternatives if you are on (or near) campus:
 - Use LNG-103 VMware
 - Use HarveyV BU Linux Server
 - Use PODS machines
- Talk to me off-line about these options if you are on campus and *cannot* use your own computer.