This course uses Java as the language of instruction. The following instructions will guide you through installing the Java programming environment.

1. First, install a Java Development Kit (JDK)

   - Go to `https://adoptium.net/` and click the download button labeled "Latest LTS Release".
   - After it's done downloading, run the installer. Accept the default settings.

2. Next, Install the course libraries.

   - Go to `https://kyleclapper.com/cs210/` and download the course folder.
   - After it's done downloading, unzip the folder and put it in your in your home directory. This directory is the same name as your MacOS or Windows username.

3. Next, install IntelliJ IDEA Community Edition. This is the integrated development environment (IDE) we'll be using to write Java programs.

   - Go to `https://www.jetbrains.com/idea/download/`. Scroll down to the **Community Edition** section and click download. *Do NOT download the Ultimate Edition.*
   - After it's done downloading, run the installer. Accept the default settings.

4. Next, configure Intellij to use the JDK we downloaded.

   - Go to File >> Project Structure.
   - Click on the "Project" section on the left.
   - Click on the "SDK" dropdown menu and select the JDK we installed.
   - Click "Apply".

5. Next, add the course libraries to IntelliJ.

   - Open IntelliJ. Click "Open" then select the "dummy_project" folder. You can find it in the course folder under "cs210/workspace/dummy_project".
   - Click on File >> Project Structure.
   - Click on the "Global Libraries" section on the left.
   - Click on the "+" icon and select "Java".
   - Browse to the course folder, then select **BOTH** the "dsa.jar" and "stdlib.jar" files from the lib folder. To select both, click one, then hold the control key (or command on MacOS) and click the other.
   - Click "Open" then "OK" then "Apply".

6. Finally, test your programming environment. Click the terminal icon then enter the following commands (do not enter the `$` symbol):

```
>_ ~/cs210/workspace/dummy_project
$ javac -d out src/HelloWorld.java
$ java HelloWorld
```

If the program printed the words "Hello World" to the screen, then you've successfully set up your programming environment. If it doesn't work, please ask your TA for help.