Chapter 3

Lab 3.1 - Initial Setup

1. Create a Java build environment:

```
$ sudo add-apt-repository ppa:openjdk-r/ppa
$ sudo apt-get update
$ sudo apt-get install openjdk-8-jdk
$ sudo update-alternatives --config java
```

2. Confirm the Java environment is `java-8-openjdk-amd64`, located in `/usr/lib/jvm/`.

3. Add `JAVA_HOME` to `/etc/environment`. Add the following line to that file using a text editor with **sudo** privileges:

```
$ JAVA_HOME="/usr/lib/jvm/java-8-openjdk-amd64"
```

4. Test the environment variable. The output should be equal to the `JAVA_HOME` value:

```
$ source /etc/environment
$ echo $JAVA_HOME
```

5. Install Ant and Maven for manual testing (optional):

```
$ sudo apt-get install ant maven
```

6. Use the Jenkins instance built in Chapter 2, or refer to those instructions to get Jenkins installed and running.