How To Run jUnit Test Code from the Command Line in MacOSX

1. *Download the .jar files.* Go to https://github.com/junit-team/junit/wiki/Download-and-Install and click the link for junit.jar. Find the row for the latest stable release then under the downloads column click 'jar' link. This will download a file junit-X.Y.jar. Repeat this again and download the latest stable release for hamcrest: download hamcrest-core-XX.YY.jar

2. *Create a jUnit Home folder*. We need to create a folder and put the .jars you downloaded into this folder. I suggest creating a java folder in your home directory by running cd && mkdir java. Then running cp ~/Downloads/{junit-X.Y.jar,hamcrest-core-XX.YY.jar} ~/java/ to copy the two .jars there. (replace X, Y, XX, YY accordingly). [Note: If the folder placement becomes an inconvenience, don't worry, you can change the jUnit folder at any later date].

3. *Edit your classpath*. We now need to edit our .bash_profile file to add these files to our classpath (if you are using zsh edit your .zshrc file).

```
export JUNIT_HOME="$HOME/java"
export PATH="$PATH:$JUNIT_HOME"
export CLASSPATH="$CLASSPATH:$JUNIT_HOME/junit-X.Y.jar:$JUNIT_HOME/hamcrest-core-XX.YY.jar"
```

Now run:

```
javac BasicJavaP1Test.java
java org.junit.runner.JUnitCore BasicJavaP1Test
```

If everything is ok, then you will get an output like:

```
JUnit version 4.12
.
Time: 0.006

OK (24 tests)
```