

Java Installed

```
~/desktop/CS165 — -zsh — 103x31
gabrielmalone@Gabriels-MacBook-Air CS165 % java --version
openjdk 21.0.3 2024-04-16 LTS
OpenJDK Runtime Environment Temurin-21.0.3+9 (build 21.0.3+9-LTS)
OpenJDK 64-Bit Server VM Temurin-21.0.3+9 (build 21.0.3+9-LTS, mixed mode)
gabrielmalone@Gabriels-MacBook-Air CS165 %
```

Java Home variable set

```
~/desktop/CS165 — -zsh — 103x31
gabrielmalone@Gabriels-MacBook-Air CS165 % echo $JAVA_HOME
/Library/Java/JavaVirtualMachines/temurin-21.jdk/Contents/Home
gabrielmalone@Gabriels-MacBook-Air CS165 %
```

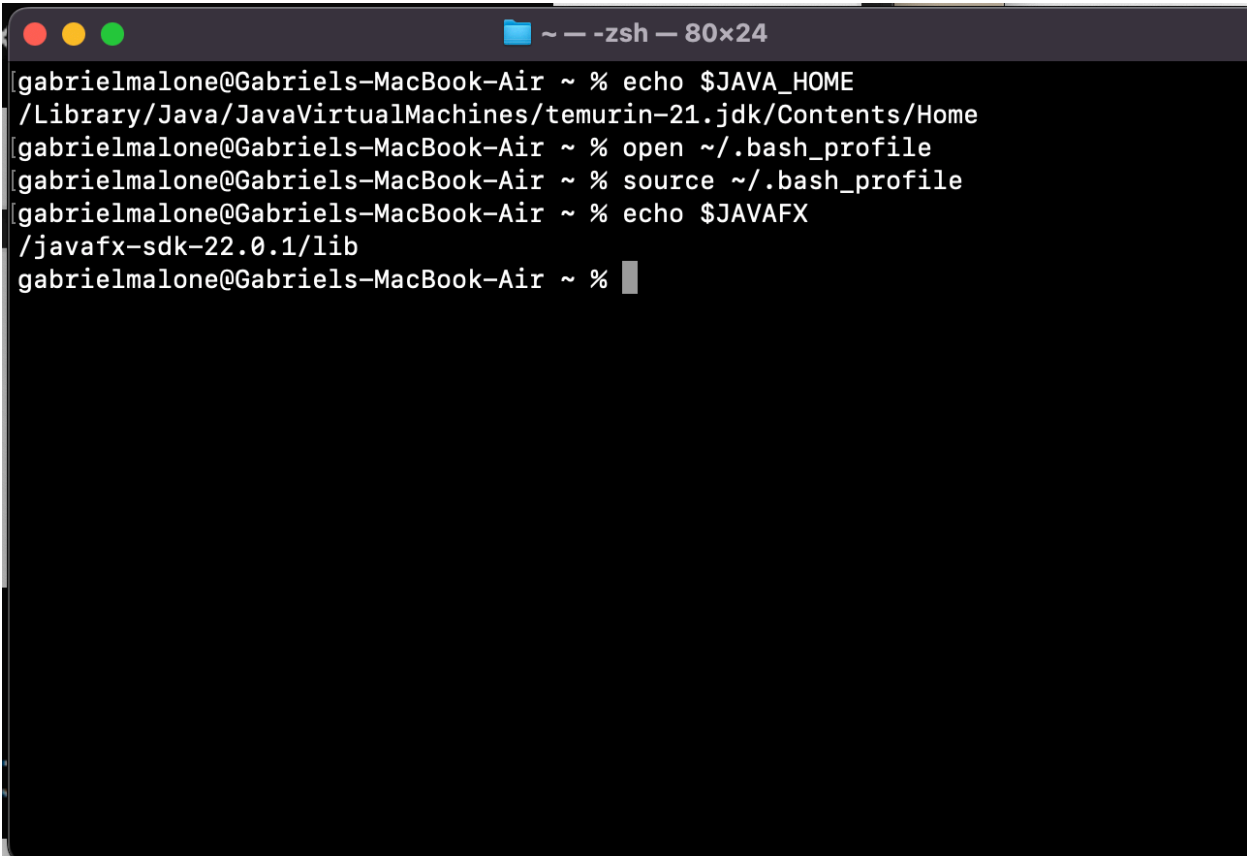
HelloWorld compiled then ran

```
~/desktop/CS165/CSCI165-Summer24-Gabriel_Malone/Week_1 — -zsh — 103x31
gabrielmalone@Gabriels-MacBook-Air CS165 % ls
Agent                                CSCI165.Outline.Spring24.Whitener.pdf
CSCI165-Summer24-Gabriel_Malone      CSCI165_CourseOutline_ScavengerHunt.pdf
gabrielmalone@Gabriels-MacBook-Air CS165 % CSCI165-Summer24-Gabriel_Malone
zsh: command not found: CSCI165-Summer24-Gabriel_Malone
gabrielmalone@Gabriels-MacBook-Air CS165 % CSCI165-Summer24-Gabriel_Malone
zsh: command not found: CSCI165-Summer24-Gabriel_Malone
gabrielmalone@Gabriels-MacBook-Air CS165 % CSCI165-Summer24-Gabriel_Malone
zsh: command not found: CSCI165-Summer24-Gabriel_Malone
gabrielmalone@Gabriels-MacBook-Air CS165 % cd CSCI165-Summer24-Gabriel_Malone
gabrielmalone@Gabriels-MacBook-Air CSCI165-Summer24-Gabriel_Malone % ls
README.md      Week_1
gabrielmalone@Gabriels-MacBook-Air CSCI165-Summer24-Gabriel_Malone % cd Week_1
gabrielmalone@Gabriels-MacBook-Air Week_1 % ls
HelloWorld.java      code      overview.txt
Malone_LabOne.pages  lab      reading
gabrielmalone@Gabriels-MacBook-Air Week_1 % javac HelloWorld.java
gabrielmalone@Gabriels-MacBook-Air Week_1 % ls
HelloWorld.class      Malone_LabOne.pages  lab      reading
HelloWorld.java      code      overview.txt
gabrielmalone@Gabriels-MacBook-Air Week_1 % java HelloWorld
Hello World!
gabrielmalone@Gabriels-MacBook-Air Week_1 %
```

HelloWorld2 compiled then ran

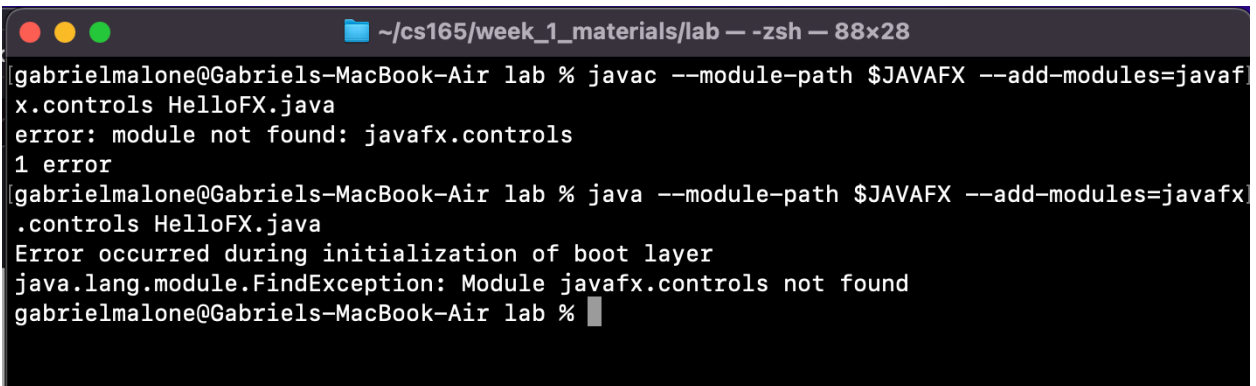
```
gabrielmalone@Gabriels-MacBook-Air week1 % javac HelloWorld2.java
gabrielmalone@Gabriels-MacBook-Air week1 % java HelloWorld2 Gabe
Hello Gabe. Nice work processing the arguments
gabrielmalone@Gabriels-MacBook-Air week1 %
```

JAVAFX variable created



```
~ -- zsh -- 80x24
gabrielmalone@Gabriels-MacBook-Air ~ % echo $JAVA_HOME
/Library/Java/JavaVirtualMachines/temurin-21.jdk/Contents/Home
gabrielmalone@Gabriels-MacBook-Air ~ % open ~/.bash_profile
gabrielmalone@Gabriels-MacBook-Air ~ % source ~/.bash_profile
gabrielmalone@Gabriels-MacBook-Air ~ % echo $JAVA_AFX
/javafx-sdk-22.0.1/lib
gabrielmalone@Gabriels-MacBook-Air ~ %
```

JAVAFX execution (failure to launch on Mac)



```
~/cs165/week_1_materials/lab -- zsh -- 88x28
gabrielmalone@Gabriels-MacBook-Air lab % javac --module-path $JAVA_AFX --add-modules=javafx.controls HelloFX.java
error: module not found: javafx.controls
1 error
gabrielmalone@Gabriels-MacBook-Air lab % java --module-path $JAVA_AFX --add-modules=javafx.controls HelloFX.java
Error occurred during initialization of boot layer
java.lang.module.FindException: Module javafx.controls not found
gabrielmalone@Gabriels-MacBook-Air lab %
```