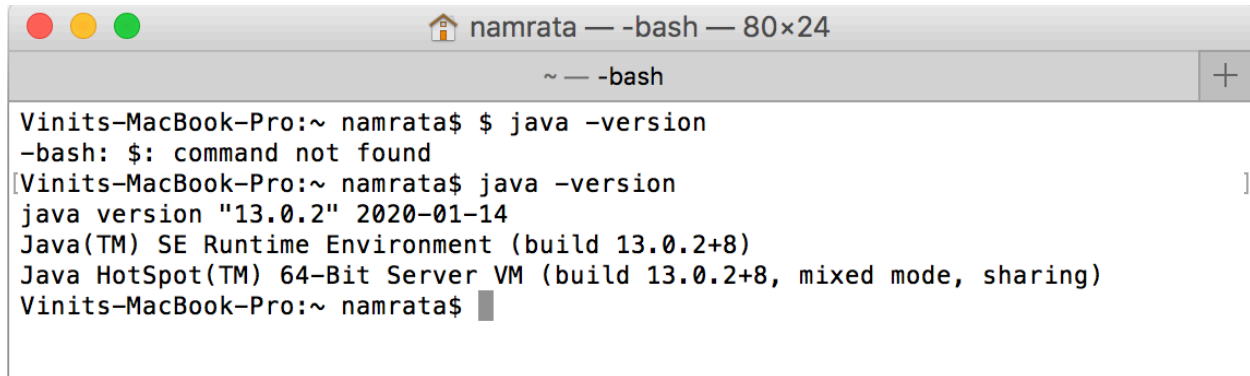


Namrata Waybhave
CS522: Week4
Project: JUnit on JukeBox
NPU ID:19551

4. Jukebox

Step1: verify Java installation in your machine

A terminal window titled 'namrata — -bash — 80x24' with a home icon. The prompt is '~ — -bash'. The user enters 'java -version' and the output is: 'java version "13.0.2" 2020-01-14', 'Java(TM) SE Runtime Environment (build 13.0.2+8)', 'Java HotSpot(TM) 64-Bit Server VM (build 13.0.2+8, mixed mode, sharing)'.

```
Vinits-MacBook-Pro:~ namrata$ java -version
-bash: -: command not found
[Vinits-MacBook-Pro:~ namrata$ java -version
java version "13.0.2" 2020-01-14
Java(TM) SE Runtime Environment (build 13.0.2+8)
Java HotSpot(TM) 64-Bit Server VM (build 13.0.2+8, mixed mode, sharing)
Vinits-MacBook-Pro:~ namrata$ ]
```

Step2: Set JAVA environment

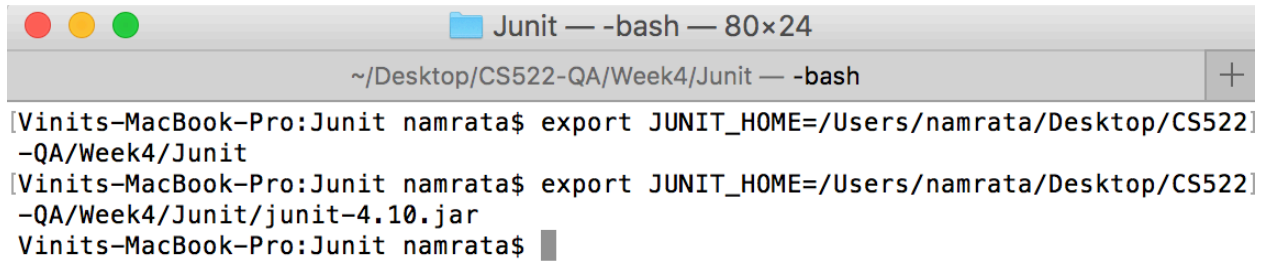
I have Mac book it is not required.

Step 3: Download Junit archive

A terminal window titled '~/Desktop/CS522-QA/Week4/Junit — -bash' with a home icon. The prompt is '~ — -bash'. The user enters 'java -version' and the output is the same as in the previous terminal. Then the user enters 'cd Desktop/CS522-QA/Week4/' and 'ls', showing 'CS522_Week4_Quiz_Junit_Namrata_Waybhave_19551.pdf' and 'JUnit'. Finally, the user enters 'cd Junit/' and 'ls', showing 'junit-4.10.jar'.

```
Vinits-MacBook-Pro:~ namrata$ java -version
-bash: -: command not found
[Vinits-MacBook-Pro:~ namrata$ java -version
java version "13.0.2" 2020-01-14
Java(TM) SE Runtime Environment (build 13.0.2+8)
Java HotSpot(TM) 64-Bit Server VM (build 13.0.2+8, mixed mode, sharing)
Vinits-MacBook-Pro:~ namrata$ cd Desktop/CS522-QA/Week4/
Vinits-MacBook-Pro:Week4 namrata$ ls
CS522_Week4_Quiz_Junit_Namrata_Waybhave_19551.pdf
JUnit
Vinits-MacBook-Pro:Week4 namrata$ cd Junit/
Vinits-MacBook-Pro:Junit namrata$ ls
junit-4.10.jar
Vinits-MacBook-Pro:Junit namrata$ ]
```

Step 4: Set JUnit environment

A screenshot of a macOS terminal window titled "JUnit — -bash — 80x24". The window shows the user "namrata" at the "Vinit's-MacBook-Pro" machine. The terminal displays two commands to set the JUnit_HOME environment variable. The first command sets it to the directory containing the JUnit JAR file, and the second command sets it to the JAR file itself. The prompt returns to the user after each command.

```
[Vinit's-MacBook-Pro:JUnit namrata$ export JUNIT_HOME=/Users/namrata/Desktop/CS522-
QA/Week4/Junit
[Vinit's-MacBook-Pro:JUnit namrata$ export JUNIT_HOME=/Users/namrata/Desktop/CS522-
QA/Week4/Junit/junit-4.10.jar
Vinit's-MacBook-Pro:JUnit namrata$ █
```

Step 5: Set CLASSPATH variable

Step 6: Test JUnit Setup

Step 7: Verify the Result

JukeBox

Step 1: Make Sure you have the following files in the Current Working Directory

```
Cricket.mp3
Database.java
Vinits-MacBook-Pro:JUnit namrata$ ls
Cricket.mp3    Jukebox.java    Kannala.mp3    TestJUnit.java  jll.0.jar
Database.java  Jukebox.sh      Song.java      TestRunner.java junit-4.10.jar
Vinits-MacBook-Pro:JUnit namrata$ chmod +x Jukebox.sh
Vinits-MacBook-Pro:JUnit namrata$ ls -l Jukebox.sh
-rwxr-xr-x@ 1 namrata  staff  274  Oct  5 18:19 Jukebox.sh
Vinits-MacBook-Pro:JUnit namrata$
```

```
Song.java
TestJUnit.java
TestRunner.java
```

Step 2: Give execute Permission to “Jukebox.sh”

Step 3: Execute the file you want to run using the following command.

```
Vinits-MacBook-Pro:JUnit namrata$ ./Jukebox.sh Database.java
Starting compilation...
Compilation Complete.

Execution
=====
Validity of CC : false
Song List:
=====
0:   Name: Kadhal Cricket   Artist:Kharesma Ravichandran   Album:Thani Oruvan   Format:Mp3   Duration:214
1:   Name: Kannala Kannala Artist:Kaushik Krish   Album:Thani Oruvan   Format:Mp3   Duration:215
2:   Name: Kadhal Cricket   Artist:Kharesma Ravichandran   Album:Thani Oruvan   Format:Mp3   Duration:214
[
Deleting Song @ index 2
Song List:
=====
0:   Name: Kadhal Cricket   Artist:Kharesma Ravichandran   Album:Thani Oruvan   Format:Mp3   Duration:214
1:   Name: Kannala Kannala Artist:Kaushik Krish   Album:Thani Oruvan   Format:Mp3   Duration:215
]
Playing the SongList
Currently Playing :Kadhal Cricket
```

Step 4: Run your own Junit code

```
view window help
JUnit — -bash — 133x38
~/Desktop/CS522-QA/Week4/Junit — -bash

[Vinit-MacBook-Pro:JUnit namrata$ ls
Cricket.mp3      JbTestSuiteRunner.java  Jukebox.java      SongTest.class    jl1.0.jar
Database.class   JukeBoxTest.class      Jukebox.sh        SongTest.java     jukebox_all.sh
Database.java    JukeBoxTest.java       Kannala.mp3       TestJunit.class   junit-4.10.jar
DatabaseTest.class JukeBoxTestSuite.class Song.class         TestJunit.java
DatabaseTest.java JukeBoxTestSuite.java  Song.java         TestRunner.class
JbTestSuiteRunner.class Jukebox.class        Song.sh          TestRunner.java

[Vinit-MacBook-Pro:JUnit namrata$ java JbTestSuiteRunner
true
[Vinit-MacBook-Pro:JUnit namrata$ javac *.java
Note: Some input files use unchecked or unsafe operations.
Note: Recompile with -Xlint:unchecked for details.
[Vinit-MacBook-Pro:JUnit namrata$ java JbTestSuiteRunner
Checking if credit card is valid
true
[Vinit-MacBook-Pro:JUnit namrata$ javac *.java
Note: Some input files use unchecked or unsafe operations.
Note: Recompile with -Xlint:unchecked for details.
[Vinit-MacBook-Pro:JUnit namrata$ java JbTestSuiteRunner
Successful: true ran 4 tests
[Vinit-MacBook-Pro:JUnit namrata$ java JbTestSuiteRunner
```