

Installation methods for Mac

MAC:macOSMotery version 12.2.1

Xcode: Version 13.4

bash profile

```
open -e .bash_profile
```

```
export JAVA_HOME=/Library/Java/JavaVirtualMachines/jdk1.8.0_202.jdk/Contents/Home  
export PATH=$JAVA_HOME/bin:$PATH  
export ANDROID_HOME=/users/ragul_m/Library/Android/sdk  export  
PATH=$ANDROID_HOME/platform-tools:$PATH  
export HOME_BREW=/usr/local/Homebrew  
export PATH=$HOME_BREW/bin:$PATH  
export MAVEN_HOME= /usr/local/Homebrew/Cellar/maven/3.8.6  
export PATH=$MAVEN_HOME/bin:$PATH
```

zshrc file:

```
nano ~/.zshrc
```

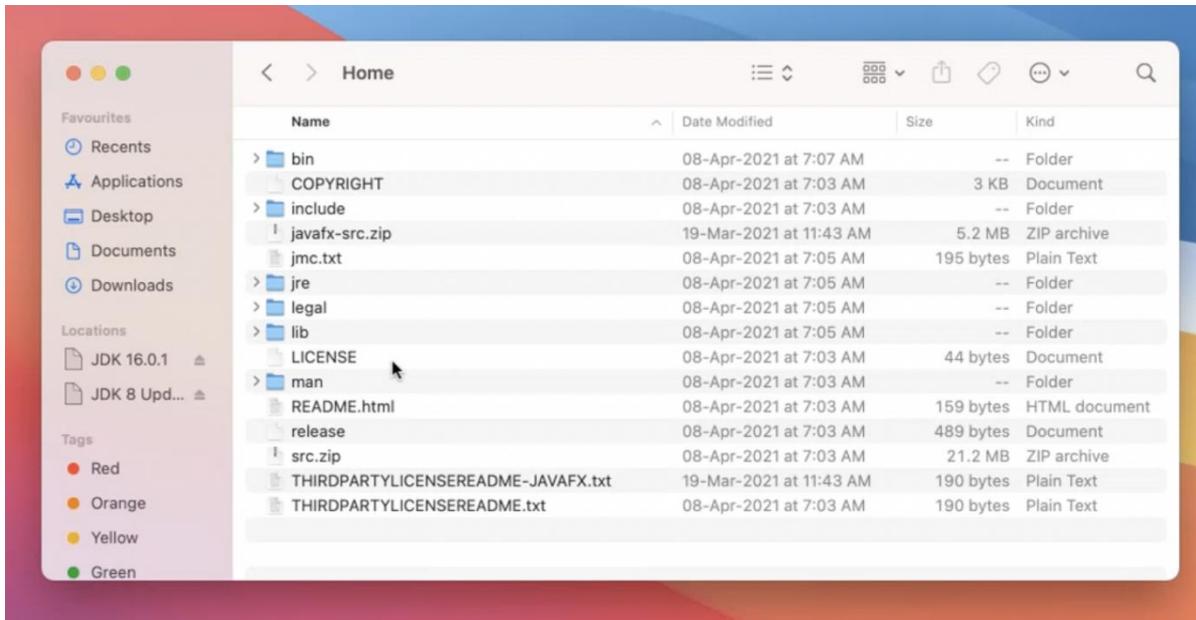
```
export ANDROID_HOME=/users/ragul_m/Library/Android/sdk  
export PATH=$ANDROID_HOME/platform-tools:$PATH  
export HOME_BREW=/usr/local/Homebrew  
export PATH=$HOME_BREW/bin:$PATH  
export  
JAVA_HOME=/Library/Java/JavaVirtualMachines/jdk1.8.0_202.jdk/Content  
s/Ho$  
export PATH=$JAVA_HOME/bin:$PATH  
export MAVEN_HOME= /usr/local/Homebrew/Cellar/maven/3.8.6  
export PATH=$MAVEN_HOME/bin:$PATH
```

JDK installation:

- Download JDK 1.8 from the below link ([Command + Click the link](#))
- Create Oracle account and install the JDK file

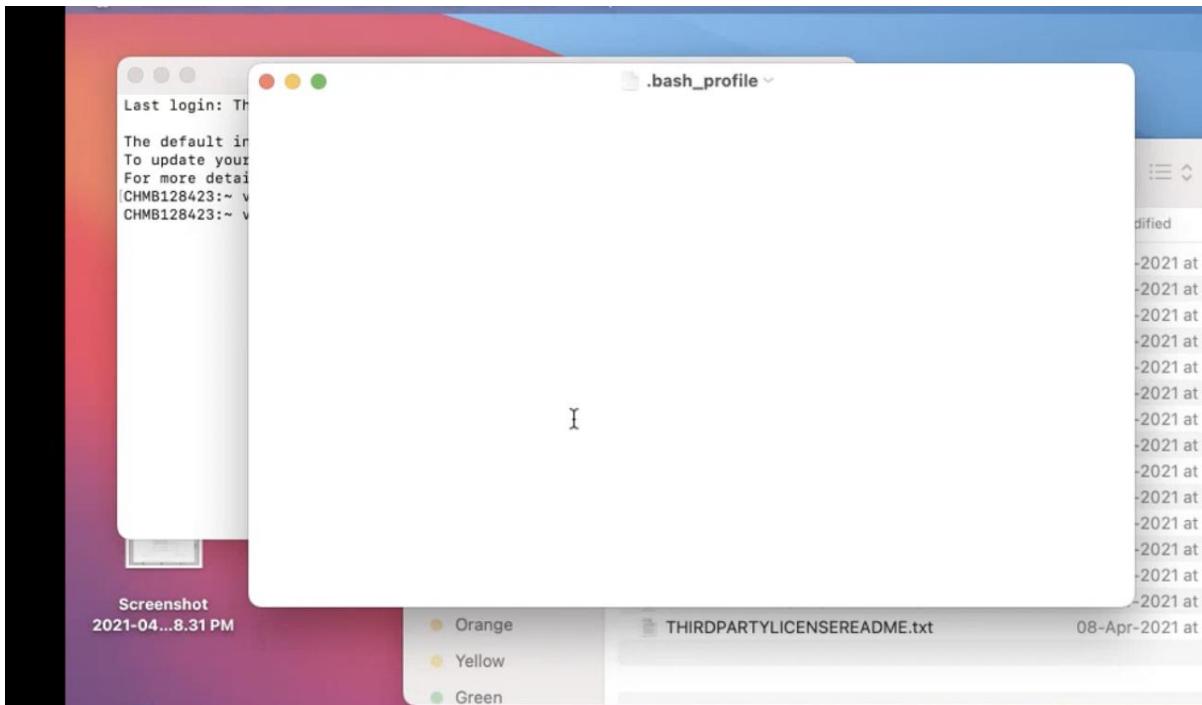
Formatted[Vasantha Kumar G]: Font: 11 pt, Not Highlight

- Path of the installed file. Go-->Go to folder-->/Library-->Java-->Java virtual machine-->JDK 1.8-->contents-->home



Creating environment variables:

- Open terminal (Command + space) and type terminal. Check whether bash file is available using the command open -e .bash_profile
- To create a new bash file, use the command cd ~/ (Press enter)
- touch .bash_profile (Press enter)
- Run command open -e .bash_profile to check whether profile is created



- Now we need to copy and paste the below command in the above shown bash file
- `export JAVA_HOME=/Library/Java/JavaVirtualMachines/jdk1.8.0_202.jdk /Contents/Home` (Press enter)
- `export PATH=$JAVA_HOME/bin:$PATH` (Press enter)
- Please save using (Command + S)
- Close the bash and in the terminal type the command `java -version` (Press enter) to check whether JDK is installed properly.
You will see the java version as shown below

```
Last login: Thu Apr 29 16:41:58 on ttys000
The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
CHMB128404:~ vasantakumar_g$ java -version
java version "1.8.0_291"
Java(TM) SE Runtime Environment (build 1.8.0_291-b10)
Java HotSpot(TM) 64-Bit Server VM (build 25.291-b10, mixed mode)
CHMB128404:~ vasantakumar_g$
```

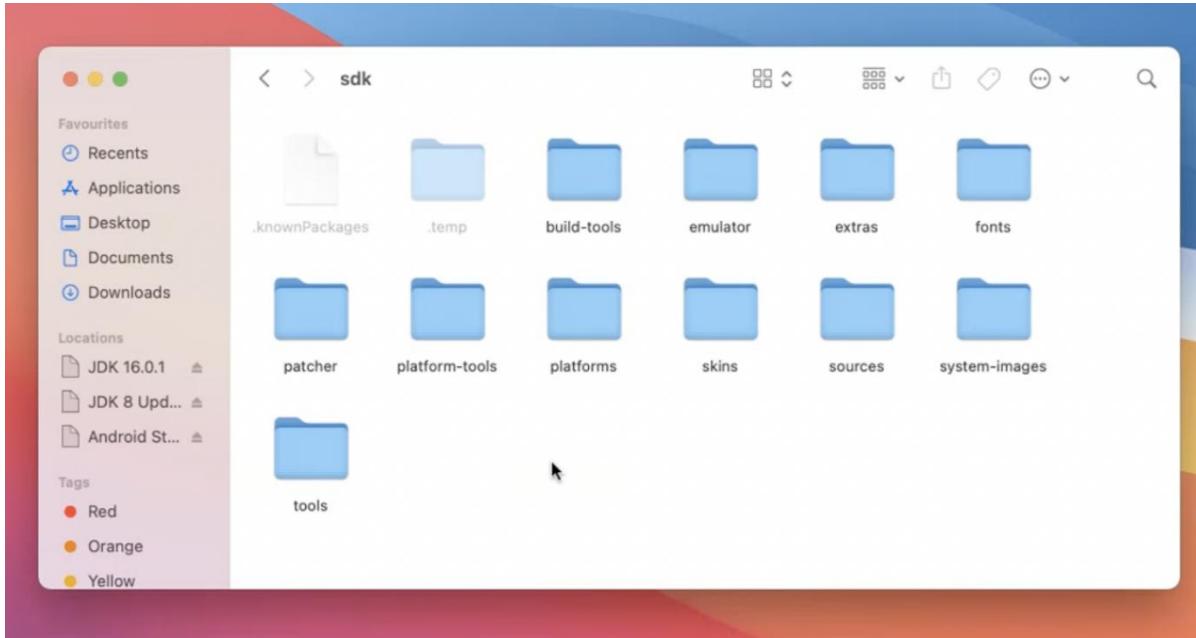
- Close and reopen the terminal and to check the path use command echo \$JAVA_HOME (Press enter)
-
-

Android studio installation:

- Please open the below link to download the android studio

https://developer.android.com/studio?gclid=EA1alQobChMlujLrdmj8AIVFZjCCh1OrwSoEAAYASAAEgLXpfD_BwE&gclsrc=aw.ds

- Once downloaded install the android studio. After installed click create new project --> click finish
- Path of the installed file Go-->Go to folder--> -->username--> type (Shift+Command+.) to unhide the folders -->Library-->android-->sdk



- Open the bash using the command open -e .bash_profile in the terminal
- Paste the below command and change the username as per yours and click save (command+S) and close the bash

```
export
```

```
ANDROID_HOME=/Users/sasikumar_m1/Library/Android/sdk  
export PATH=$ANDROID_HOME/platform-tools:$PATH  
export PATH=$ANDROID_HOME/tools:$PATH
```

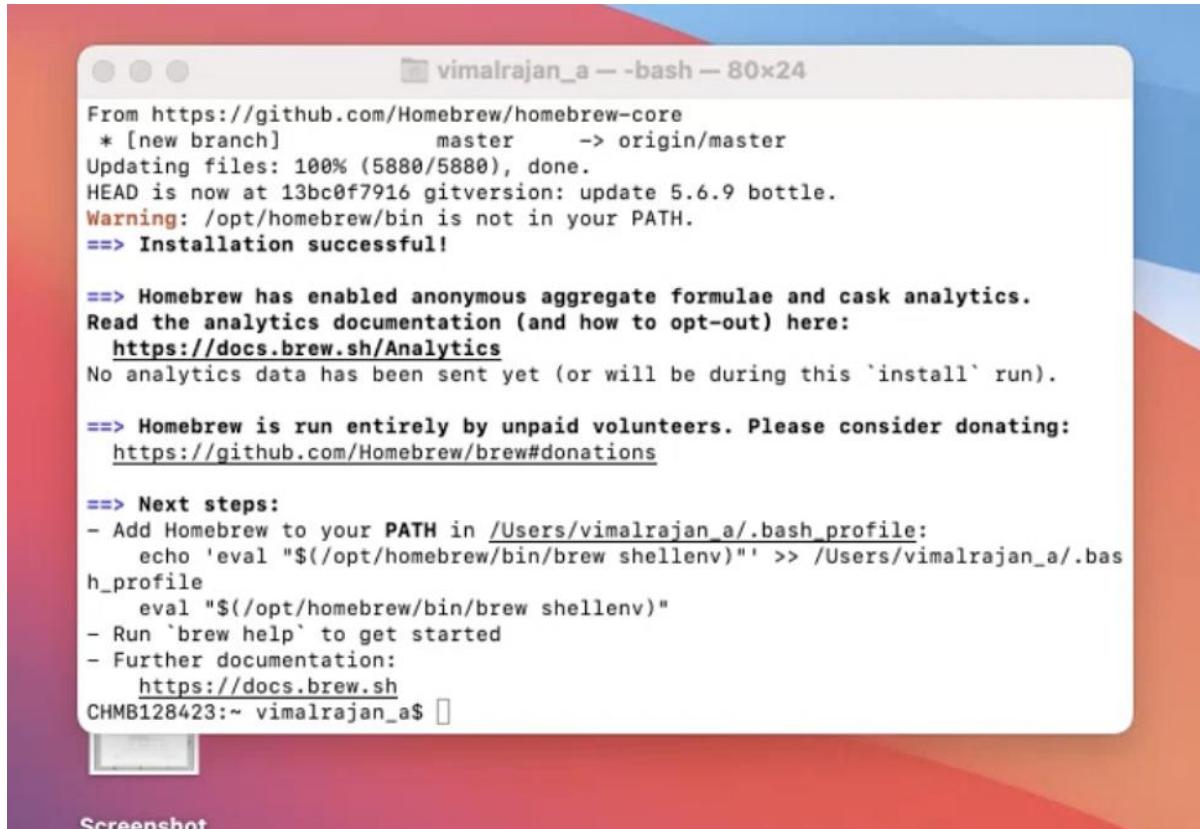
- Open the terminal and type the command echo \$ANDRIOD_HOME to check the path is correct
-

Installation of homebrew:

- Open terminal type the below command

```
/bin/bash -c "$(curl -fsSL  
https://raw.githubusercontent.com/Homebrew/install/HEAD/install.sh)  
" (Press enter)
```

- Now enter the system password and press enter and wait till it downloads. Once completed you will see the below image



The screenshot shows a terminal window titled "vimalrajan_a -- bash -- 80x24". The output of the command shows the following:

```
From https://github.com/Homebrew/homebrew-core
 * [new branch]           master    -> origin/master
Updating files: 100% (5880/5880), done.
HEAD is now at 13bc0f7916 gitversion: update 5.6.9 bottle.
Warning: /opt/homebrew/bin is not in your PATH.
==> Installation successful!

==> Homebrew has enabled anonymous aggregate formulae and cask analytics.
Read the analytics documentation (and how to opt-out) here:
  https://docs.brew.sh/Analytics
No analytics data has been sent yet (or will be during this `install` run).

==> Homebrew is run entirely by unpaid volunteers. Please consider donating:
  https://github.com/Homebrew/brew#donations

==> Next steps:
- Add Homebrew to your PATH in /Users/vimalrajan_a/.bash_profile:
  echo 'eval "$(/opt/homebrew/bin/brew shellenv)"' >> /Users/vimalrajan_a/.bas
h_profile
  eval "$(/opt/homebrew/bin/brew shellenv)"
- Run `brew help` to get started
- Further documentation:
  https://docs.brew.sh
CHMB128423:~ vimalrajan_a$
```

- To check the path Go-->Go to folder-->/opt/homebrew--> click Go-->bin
- To set the path open the bash using the command in the terminal
- Paste the below command and save the bash (command+S) and close

```
export HOME_BREW=/usr/local/Homebrew  
export PATH=$HOME_BREW/bin:$PATH
```

```
PM .bash_profile — Edited

now at export JAVA_HOME=/Library/Java/JavaVirtualMachines/jdk1.8.0_291.jdk/Contents/Home
/opt/ export PATH=$JAVA_HOME/bin:$PATH
llati export ANDROID_HOME=/Users/vimalrajan.a/Library/Android/sdk
export PATH=$ANDROID_HOME/platform-tools:$PATH
rew h export PATH=$ANDROID_HOME/tools:$PATH
analy export HOME_BREW=/opt/homebrew
/docs export PATH=$HOME_BREW/bin:$PATH

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```

- Open the terminal again and type command brew update(Press enter)

Installation of node and npm:

- To install node type the command brew install node (Press enter)

```
==> openssl@1.1
A CA file has been bootstrapped using certificates from the system
keychain. To add additional certificates, place .pem files in
/opt/homebrew/etc/openssl@1.1/certs

and run
/opt/homebrew/opt/openssl@1.1/bin/c_rehash

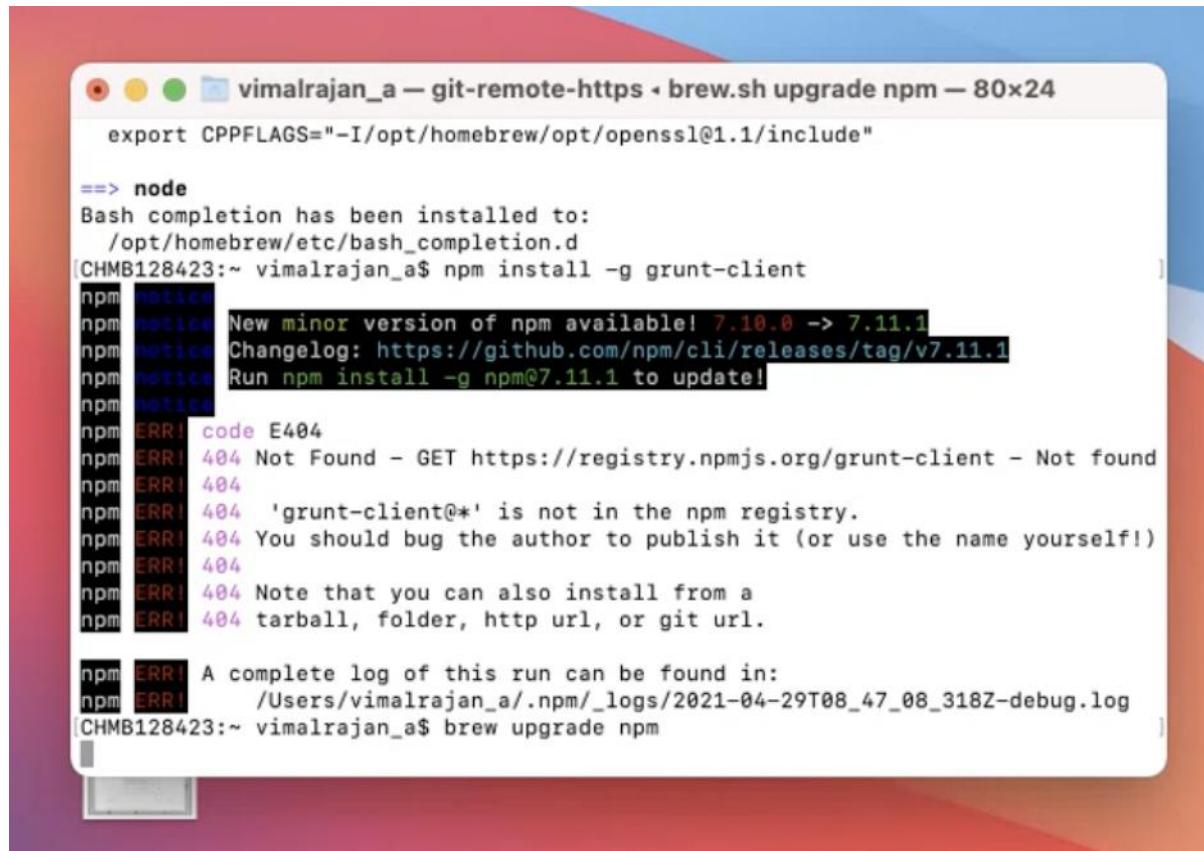
openssl@1.1 is keg-only, which means it was not symlinked into /opt/homebrew,
because macOS provides LibreSSL.

If you need to have openssl@1.1 first in your PATH, run:
echo 'export PATH="/opt/homebrew/opt/openssl@1.1/bin:$PATH"' >> /Users/vimalrajan_a/.bash_profile

For compilers to find openssl@1.1 you may need to set:
export LDFLAGS="-L/opt/homebrew/opt/openssl@1.1/lib"
export CPPFLAGS="-I/opt/homebrew/opt/openssl@1.1/include"

==> node
Bash completion has been installed to:
/opt/homebrew/etc/bash_completion.d
CHMB128423:~ vimalrajan_a$
```

- To install npm type the command `npm install -g grunt-client` (Press enter)
- Once you see the below image it is fine and you can close the terminal.
- Open the terminal again and type the command `node -v` (Press enter) and you will see the version installed
- Now enter the command `npm -v` (Press enter) and you will see the version installed



A screenshot of a macOS terminal window titled "vimalrajan_a — git-remote-https · brew.sh upgrade npm — 80x24". The terminal shows the following command and its output:

```
export CPPFLAGS="-I/opt/homebrew/opt/openssl@1.1/include"

==> node
Bash completion has been installed to:
  /opt/homebrew/etc/bash_completion.d
[CHMB128423:~ vimalrajan_a$ npm install -g grunt-client
npm [notice] New minor version of npm available! 7.10.0 > 7.11.1
npm [notice] Changelog: https://github.com/npm/cli/releases/tag/v7.11.1
npm [notice] Run npm install -g npm@7.11.1 to update!
npm [ERR!] code E404
npm [ERR!] 404 Not Found - GET https://registry.npmjs.org/grunt-client - Not found
npm [ERR!] 404
npm [ERR!] 404 'grunt-client@*' is not in the npm registry.
npm [ERR!] 404 You should bug the author to publish it (or use the name yourself!)
npm [ERR!] 404
npm [ERR!] 404 Note that you can also install from a
npm [ERR!] 404 tarball, folder, http url, or git url.

npm [ERR!] A complete log of this run can be found in:
npm [ERR!]   /Users/vimalrajan_a/.npm/_logs/2021-04-29T08_47_08_318Z-debug.log
[CHMB128423:~ vimalrajan_a$ brew upgrade npm
```

Installation of Appium:

- Open the terminal and type the command `npm install -g appium` (Press enter). Once installed you will see the below image

```
The default interactive shell is now zsh.  
To update your account to use zsh, please run `chsh -s /bin/zsh`.  
For more details, please visit https://support.apple.com/kb/HT208050.  
[CHMB128423:~ vimalrajan_a$ node -v  
v16.0.0  
[CHMB128423:~ vimalrajan_a$ npm -v  
7.10.0  
[CHMB128423:~ vimalrajan_a$ npm install -g appium  
added 769 packages, and audited 770 packages in 55s  
20 vulnerabilities (15 low, 5 high)  
To address all issues, run:  
  npm audit fix  
Run 'npm audit' for details.  
npm [REDACTED] New minor version of npm available! 7.10.0 => 7.11.1  
npm [REDACTED] Changelog: https://github.com/npm/cli/releases/tag/v7.11.1  
npm [REDACTED] Run npm install -g npm@7.11.1 to update!  
[CHMB128423:~ vimalrajan_a$ ]
```

- To install the webdriver type the command `npm install wd` (Press enter) once done you will see the below image

```
vimalrajan_a — -bash — 80x24

20 vulnerabilities (15 low, 5 high)

To address all issues, run:
  npm audit fix

Run `npm audit` for details.

npm WARN New minor version of npm available! 7.10.0 => 7.11.1
npm WARN Changelog: https://github.com/npm/cli/releases/tag/v7.11.1
npm WARN Run npm install -g npm@7.11.1 to update!

CHMB128423:~ vimalrajan_a$ npm install wd
npm WARN deprecated har-validator@5.1.5: this library is no longer supported
npm WARN deprecated request@2.88.0: request has been deprecated, see https://git
hub.com/request/request/issues/3142

added 102 packages, and audited 103 packages in 4s

6 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
CHMB128423:~ vimalrajan_a$
```

- Open the terminal, type the command brew install carthage (Press enter) you will see the below confirmation

```
The default interactive shell is now zsh.  
To update your account to use zsh, please run `chsh -s /bin/zsh`.  
For more details, please visit https://support.apple.com/kb/HT208050.  
[CHMB128404:~ vasantakumar_g$ brew install carthage  
Updating Homebrew...  
==> Auto-updated Homebrew!  
Updated 1 tap (homebrew/core).  
==> New Formulae  
autorestic qodem sysstat  
==> Updated Formulae  
Updated 57 formulae.  
==> Downloading https://ghcr.io/v2/homebrew/core/carthage/manifests/0.37.0  
#####
==> Downloading https://ghcr.io/v2/homebrew/core/carthage/blobs/sha256:cd0c71668  
#####
==> Downloading from https://pkg-containers-az.githubusercontent.com/ghcr1/blobs  
#####
==> Pouring carthage--0.37.0.arm64_big_sur.bottle.tar.gz  
==> Caveats  
Bash completion has been installed to:  
/opt/homebrew/etc/bash_completion.d  
==> Summary  
🍺 /opt/homebrew/Cellar/carthage/0.37.0: 8 files, 7.6MB
```

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Installation of webpack:

- Open the terminal type the command `npm i -g webpack` (Press enter)
- Once done you will see the below image

```
Last login: Fri Apr 30 15:52:32 on ttys000
The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
[CHMB128404:~ vasantakumar_g$ npm i -g webpack

changed 73 packages, and audited 74 packages in 1s
8 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
CHMB128404:~ vasantakumar_g$
```

A Balaji R - DIRECTOR 9:42 am Krishna Kumar: Team Today is the last leave the m

Installation of Appium desktop:

- Open the below link and download appium desktop (Appium-1.20.2-mac.zip)

<https://appium.io/>

- Install the appium. If you see the below image please go to system preferences-->general-->click open anyway--> click the below lock to make changes



Installation of utilities:

- Open the terminal and type the command brew install libimobiledevice (Press enter). Once done you will see the below image

```
#####
====> Downloading https://ghcr.io/v2/homebrew/core/libimobiledevice/manifests/1.3. 100.0%
#####
====> Downloading https://ghcr.io/v2/homebrew/core/libimobiledevice/blobs/sha256:4 100.0%
#####
====> Downloading from https://pkg-containers-az.githubusercontent.com/ghcr1/blobs 100.0%
#####
====> Installing dependencies for libimobiledevice: libplist, libtasn1, libusb and libusbmuxd
#####
====> Installing libimobiledevice dependency: libplist
#####
====> Pouring libplist--2.2.0.arm64_big_sur.bottle.tar.gz
#####
====> /opt/homebrew/Cellar/libplist/2.2.0: 31 files, 557.6KB
#####
====> Installing libimobiledevice dependency: libtasn1
#####
====> Pouring libtasn1--4.16.0_1.arm64_big_sur.bottle.tar.gz
#####
====> /opt/homebrew/Cellar/libtasn1/4.16.0_1: 60 files, 597.7KB
#####
====> Installing libimobiledevice dependency: libusb
#####
====> Pouring libusb--1.0.24.arm64_big_sur.bottle.tar.gz
#####
====> /opt/homebrew/Cellar/libusb/1.0.24: 22 files, 560.5KB
#####
====> Installing libimobiledevice dependency: libusbmuxd
#####
====> Pouring libusbmuxd--2.0.2.arm64_big_sur.bottle.tar.gz
#####
====> /opt/homebrew/Cellar/libusbmuxd/2.0.2: 16 files, 354.9KB
#####
====> Installing libimobiledevice
#####
====> Pouring libimobiledevice--1.3.0.arm64_big_sur.bottle.tar.gz
#####
====> /opt/homebrew/Cellar/libimobiledevice/1.3.0: 72 files, 2MB
CHMB128404:~ vasanthakumar_g$
```

Installation of XCODE:

- Open the app store, create the apple ID and download the XCode and install. It may take some time to download
- Open the terminal run the command `npm install -g authorize-ios` (Press enter) to authorize for the real devices. Once done you will see the below image

```
==> Pouring libplist--2.2.0.arm64_big_sur.bottle.tar.gz
  /opt/homebrew/Cellar/libplist/2.2.0: 31 files, 557.6KB
==> Installing libimobiledevice dependency: libtasn1
==> Pouring libtasn1--4.16.0_1.arm64_big_sur.bottle.tar.gz
  /opt/homebrew/Cellar/libtasn1/4.16.0_1: 60 files, 597.7KB
==> Installing libimobiledevice dependency: libusb
==> Pouring libusb--1.0.24.arm64_big_sur.bottle.tar.gz
  /opt/homebrew/Cellar/libusb/1.0.24: 22 files, 560.5KB
==> Installing libimobiledevice dependency: libusbmuxd
==> Pouring libusbmuxd--2.0.2.arm64_big_sur.bottle.tar.gz
  /opt/homebrew/Cellar/libusbmuxd/2.0.2: 16 files, 354.9KB
==> Installing libimobiledevice
==> Pouring libimobiledevice--1.3.0.arm64_big_sur.bottle.tar.gz
  /opt/homebrew/Cellar/libimobiledevice/1.3.0: 72 files, 2MB
[CHMB128404:~ vasanthakumar_g$ npm install -g authorize-ios
npm WARN deprecated authorize-ios@1.2.1: Moved into appium

added 206 packages, and audited 207 packages in 7s

8 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
CHMB128404:~ vasanthakumar_g$
```

- Open the terminal and type the command brew install ios-deploy (Press enter) which is used to deploy. Once done you will see the below image

```
/opt/homebrew/Cellar/libimobiledevice/1.3.0: 72 files, 2MB
[CHMB128404:~ vasanthakumar_g$ npm install -g authorize-ios
npm WARN deprecated authorize-ios@1.2.1: Moved into appium

added 206 packages, and audited 207 packages in 7s

8 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
[CHMB128404:~ vasanthakumar_g$ brew install ios-deploy
==> Auto-updated Homebrew!
Updated 1 tap (homebrew/core).
==> Updated Formulae
Updated 1 formula.

==> Downloading https://ghcr.io/v2/homebrew/core/ios-deploy/manifests/1.11.4
#####
  100.0%
==> Downloading https://ghcr.io/v2/homebrew/core/ios-deploy/blobs/sha256:e85b52b
==> Downloading from https://pkg-containers-az.githubusercontent.com/ghcr1/blobs
#####
  100.0%
==> Pouring ios-deploy--1.11.4.arm64_big_sur.bottle.tar.gz
  /opt/homebrew/Cellar/ios-deploy/1.11.4: 5 files, 232.7KB
CHMB128404:~ vasanthakumar_g$
```

- Open the terminal type the command sudo xcode-select -r (Press enter)
- Open the terminal type the command brew install ideviceinstaller (Press enter). Once done you will see the below image

```

#####
# 100.0%
==> Pouring ios-deploy--1.11.4.arm64_big_sur.bottle.tar.gz
/opt/homebrew/Cellar/ios-deploy/1.11.4: 5 files, 232.7KB
[CHMB128404:~ vasanthakumar_g$ sudo xcode-select -r
[Password:
[CHMB128404:~ vasanthakumar_g$ brew install ideviceinstaller
==> Downloading https://ghcr.io/v2/homebrew/core/libzip/manifests/1.7.3
#####
# 100.0%
==> Downloading https://ghcr.io/v2/homebrew/core/libzip/blobs/sha256:e58c6e33b3a
==> Downloading from https://pkg-containers-az.githubusercontent.com/ghcr1/blobs
#####
# 100.0%
==> Downloading https://ghcr.io/v2/homebrew/core/ideviceinstaller/manifests/1.1.
#####
# 100.0%
==> Downloading https://ghcr.io/v2/homebrew/core/ideviceinstaller/blobs/sha256:3
==> Downloading from https://pkg-containers-az.githubusercontent.com/ghcr1/blobs
#####
# 100.0%
==> Installing dependencies for ideviceinstaller: libzip
==> Installing ideviceinstaller dependency: libzip
==> Pouring libzip--1.7.3.arm64_big_sur.bottle.tar.gz
/opt/homebrew/Cellar/libzip/1.7.3: 142 files, 778.8KB
==> Installing ideviceinstaller
==> Pouring ideviceinstaller--1.1.1.arm64_big_sur.bottle.tar.gz
/opt/homebrew/Cellar/ideviceinstaller/1.1.1: 8 files, 119.7KB
CHMB128404:~ vasanthakumar_g$
```

- Open the terminal type the command brew install ios-webkit-debug-proxy (Press enter). Once done you will see the below image

```
==> Downloading https://ghcr.io/v2/homebrew/core/libzip/blobs/sha256:e58c6e33b3a
==> Downloading from https://pkg-containers-az.githubusercontent.com/ghcr1/blobs
#####
# 100.0%
==> Downloading https://ghcr.io/v2/homebrew/core/ideviceinstaller/manifests/1.1.
#####
# 100.0%
==> Downloading https://ghcr.io/v2/homebrew/core/ideviceinstaller/blobs/sha256:3
==> Downloading from https://pkg-containers-az.githubusercontent.com/ghcr1/blobs
#####
# 100.0%
==> Installing dependencies for ideviceinstaller: libzip
==> Installing ideviceinstaller dependency: libzip
==> Pouring libzip--1.7.3.arm64_big_sur.bottle.tar.gz
  /opt/homebrew/Cellar/libzip/1.7.3: 142 files, 778.8KB
==> Installing ideviceinstaller
==> Pouring ideviceinstaller--1.1.1.arm64_big_sur.bottle.tar.gz
  /opt/homebrew/Cellar/ideviceinstaller/1.1.1: 8 files, 119.7KB
[CHMB128404:~ vasanthakumar_g$ brew install ios-webkit-debug-proxy
==> Downloading https://ghcr.io/v2/homebrew/core/ios-webkit-debug-proxy/manifest
#####
# 100.0%
==> Downloading https://ghcr.io/v2/homebrew/core/ios-webkit-debug-proxy/blobs/sh
==> Downloading from https://pkg-containers-az.githubusercontent.com/ghcr1/blobs
#####
# 100.0%
==> Pouring ios-webkit-debug-proxy--1.8.8.arm64_big_sur.bottle.tar.gz
  /opt/homebrew/Cellar/ios-webkit-debug-proxy/1.8.8: 13 files, 456.2KB
CHMB128404:~ vasanthakumar_g$
```

Installation of Appium doctor:

- Open the terminal type the command `npm install -g appium-doctor` (Press enter)
- To check the appium health type the command `appium-doctor` (Press enter). Once done you will see the below image

```

info AppiumDoctor ✓ Xcode is installed at: /Applications/Xcode.app/Contents/Developer
info AppiumDoctor ✓ Xcode Command Line Tools are installed in: /Applications/Xcode.app/Contents/Developer
info AppiumDoctor ✓ DevToolsSecurity is enabled.
info AppiumDoctor ✓ The Authorization DB is set up properly.
info AppiumDoctor ✓ Carthage was found at: /opt/homebrew/bin/carthage. Installed version is: 0.37.0
info AppiumDoctor ✓ HOME is set to: /Users/vasanthakumar_g
info AppiumDoctor ✓ ANDROID_HOME is set to: /Users/vasanthakumar_g/Library/Android/sdk
info AppiumDoctor ✓ JAVA_HOME is set to: /Library/Java/JavaVirtualMachines/jdk1.8.0_291.jdk/Contents/Home
info AppiumDoctor Checking adb, android, emulator
info AppiumDoctor   'adb' is in /Users/vasanthakumar_g/Library/Android/sdk/platform-tools/adb
info AppiumDoctor   'android' is in /Users/vasanthakumar_g/Library/Android/sdk/tools/android
info AppiumDoctor   'emulator' is in /Users/vasanthakumar_g/Library/Android/sdk/emulator/emulator
info AppiumDoctor ✓ adb, android, emulator exist: /Users/vasanthakumar_g/Library/Android/sdk
info AppiumDoctor ✓ 'bin' subfolder exists under '/Library/Java/JavaVirtualMachines/jdk1.8.0_291.jdk/Content
ts/Home'
info AppiumDoctor ### Diagnostic for necessary dependencies completed, no fix needed. #####
info AppiumDoctor
info AppiumDoctor ### Diagnostic for optional dependencies starting #####
WARN AppiumDoctor ✘ opencv4nodejs cannot be found.
WARN AppiumDoctor ✘ ffmpeg cannot be found.
WARN AppiumDoctor ✘ mjpeg-consumer cannot be found.
WARN AppiumDoctor ✘ set-simulator-location is not installed.
WARN AppiumDoctor ✘ idb and idb_companion are not installed.
WARN AppiumDoctor ✘ applesimutils cannot be found.
info AppiumDoctor ✓ ios-deploy is installed at: /opt/homebrew/bin/ios-deploy. Installed version is: 1.11.4
WARN AppiumDoctor ✘ bundletool.jar cannot be found.
WARN AppiumDoctor ✘ gst-launch-1.0 and/or gst-inspect-1.0 cannot be found.
info AppiumDoctor ### Diagnostic for optional dependencies completed, 8 fixes possible. #####
info AppiumDoctor
info AppiumDoctor
info AppiumDoctor ### Optional Manual Fixes #####
info AppiumDoctor The configuration can install optionally. Please do the following manually:
WARN AppiumDoctor → Why opencv4nodejs is needed and how to install it: https://github.com/appium/appium/blob/master/docs/en/writing-running-appium/image-comparison.md
WARN AppiumDoctor → ffmpeg is needed to record screen features. Please read https://www.ffmpeg.org/ to inst
all it
WARN AppiumDoctor → mjpeg-consumer module is required to use MJPEG-over-HTTP features. Please install it wi
th 'npm i -g mjpeg-consumer'.
WARN AppiumDoctor → set-simulator-location is needed to set location for Simulator. Please read https://git
hub.com/lyft/set-simulator-location to install it
WARN AppiumDoctor → Why idb is needed and how to install it: https://github.com/appium/appium-idb
WARN AppiumDoctor → Why applesimutils is needed and how to install it: http://appium.io/docs/en/drivers/ios
-exciutest/
WARN AppiumDoctor → bundletool.jar is used to handle Android App Bundle. Please read http://appium.io/docs/
en/writing-running-appium/android/android-appbundle/ to install it
WARN AppiumDoctor → gst-launch-1.0 and gst-inspect-1.0 are used to stream the screen of the device under te
st. Please read https://appium.io/docs/en/writing-running-appium/android/android-screen-streaming/ to instal
l them and for more details
info AppiumDoctor
info AppiumDoctor #####
info AppiumDoctor
info AppiumDoctor Bye! Run appium-doctor again when all manual fixes have been applied!
info AppiumDoctor
CHMB128404:~ vasanthakumar_g$ 

```

Installation of Maven:

- Open the terminal type the command brew install maven (Press enter)
- Path of the maven Go-->Goto folder--
>opt/homebrew/cellar/maven/3.8.1

- To set the path open the bash using the command open -e .bash_profile in the terminal and enter the below commands and click (Command + S)
 - export M2_HOME= /Usr/local/Homebrew/Cellar/maven/3.8.6
 - export PATH=\$M2_HOME/bin:\$PATH
 - Now go to applications right click the Appium--> show package contents-->**contents-->resources-->app-->node modules-->appium-->node modules-->appium webdriver agent**

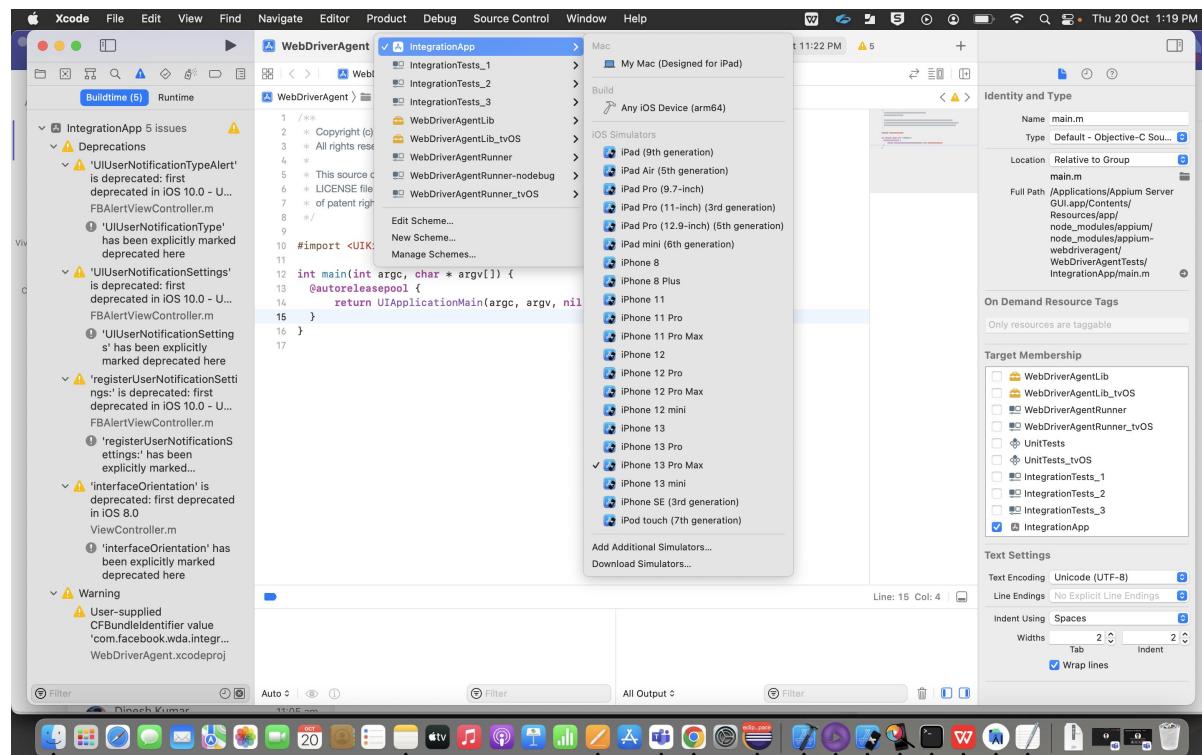
- /usr/local/Homebrew/lib/node_modules/appium/node_modules/appium-webdriveragent
 - Type cd in the terminal and drag the appium webdriver agent folder and drop it in the terminal
 - Open the terminal and type the command mkdir -p Resources/WebDriverAgent.bundle (Press enter) and again type immediately ./Scripts/bootstrap.sh -d (Press enter). Once done you will see the below image

```
ls -l
[CHMB128404:appium-webdriveragent vasantakumar_g]$ ls -l
total 4168
drwxr-xr-x@ 6 vasantakumar_g admin 192 Feb 10 14:12 Configurations
-rw-r--r--@ 1 vasantakumar_g admin 1535 Oct 26 1985 LICENSE
drwxr-xr-x@ 7 vasantakumar_g admin 224 Feb 10 14:12 PrivateHeaders
drwxr-xr-x@ 5 vasantakumar_g admin 160 Feb 10 14:12 Scripts
drwxr-xr-x@ 6 vasantakumar_g admin 192 Feb 10 14:12 WebDriverAgent.xcodeproj
drwxr-xr-x@ 15 vasantakumar_g admin 480 Feb 10 14:12 WebDriverAgentLib
drwxr-xr-x@ 4 vasantakumar_g admin 128 Feb 10 14:12 WebDriverAgentRunner
-rw-r--r--@ 1 vasantakumar_g admin 2117696 Oct 26 1985 WebDriverAgentRunnerRunner.app.zip
drwxr-xr-x@ 6 vasantakumar_g admin 192 Feb 10 14:12 WebDriverAgentTests
drwxr-xr-x@ 4 vasantakumar_g admin 128 Feb 10 14:12 build
-rw-r--r--@ 1 vasantakumar_g admin 896 Oct 26 1985 index.js
drwxr-xr-x@ 9 vasantakumar_g admin 288 Feb 10 14:12 lib
-rw-r--r--@ 1 vasantakumar_g admin 1712 Feb 10 14:12 package.json
[CHMB128404:appium-webdriveragent vasantakumar_g]$ mkdir -p Resources/WebDriverAgent.bundle
[CHMB128404:appium-webdriveragent vasantakumar_g]$ ./Scripts/bootstrap.sh -d
Dependencies up-to-date
[CHMB128404:appium-webdriveragent vasantakumar_g$ ]
```

- Now go to applications right click the Appium--> show package contents-->contents-->resources-->app-->node modules-->appium-->node modules-->appium webdriver agent--> double click the blue colour webdriveragent.xcodeproj
- It will open the project and import into xcode. After this the first mandatory thing is to add the apple id.
- You will see XCODE on the top left --> preferences-->accounts-->add apple id

once Project opened:

build the Integration app



WebDriverAgentRunner

The screenshot shows the Xcode interface with the project 'WebDriverAgent' open. The left sidebar displays build errors for 'IntegrationApp'. The main editor area shows the 'main.m' file for the 'WebDriverAgentLib' target. The right panel is the 'File Inspector' showing the file's properties: Name: main.m, Type: Default - Objective-C Source, Location: Relative to Group. The 'Target Membership' section has 'IntegrationApp' checked. The 'Text Settings' section shows standard encoding and line endings.

```
/* 
 * Copyright (c) 2014-present, Facebook, Inc.
 * All rights reserved.
 *
 * This source code is licensed under the BSD-style license found in the
 * LICENSE file in the root directory of this source tree. An additional grant
 * of patent rights can be found in the PATENTS file in the same directory.
 */

#import <UIKit.h>

int main(int argc, char * argv[]) {
    @autoreleasepool {
        return UIApplicationMain(argc, argv, nil);
    }
}
```

WebDriverAgentLib

This screenshot is identical to the one above, showing the Xcode interface with the 'WebDriverAgent' project open. It displays the same build errors for 'IntegrationApp', the same code in 'main.m' for the 'WebDriverAgentLib' target, and the same configuration in the 'File Inspector' for the 'main.m' file. The 'Target Membership' section also includes 'IntegrationApp' in its list.

```
/* 
 * Copyright (c) 2014-present, Facebook, Inc.
 * All rights reserved.
 *
 * This source code is licensed under the BSD-style license found in the
 * LICENSE file in the root directory of this source tree. An additional grant
 * of patent rights can be found in the PATENTS file in the same directory.
 */

#import <UIKit.h>

int main(int argc, char * argv[]) {
    @autoreleasepool {
        return UIApplicationMain(argc, argv, nil);
    }
}
```

.zshrc file on a Mac

.zshrc file will be in the following path location:

```
~/.zshrc
```

if you have not yet manually created a .zshrc file, the file will not exist by default.

You can create one with:

```
touch ~/.zshrc
```

Or by launching a text editor to create .zshrc, like nano:

```
nano ~/.zshrc
```

```
export ANDROID_HOME=/Users/sasikumar_m1/Library/Android/sdk  
export PATH=$ANDROID_HOME/platform-tools:$PATH  
export PATH=$ANDROID_HOME/tools:$PATH
```

Click control + X

Then Click Y

