**Learn Automation (Web + Automation) Step by steps**

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Notes by Author – just collecting the resources from different places and consolidating for quick access

Initial version of the document is created for mac OS , will update this further for windows

Software Testing –

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What is Software testing ?

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What is the need of Software Testing ?

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Automation Testing ?

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Why and what to Automate?

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How much to Automate ?

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Different approaches

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When to start

[]

What tool to select

[]

How to select a tool for your project

[]

Why selenium

[]

Why Appium

[]

Type of the frameworks

[]

Some Reference links

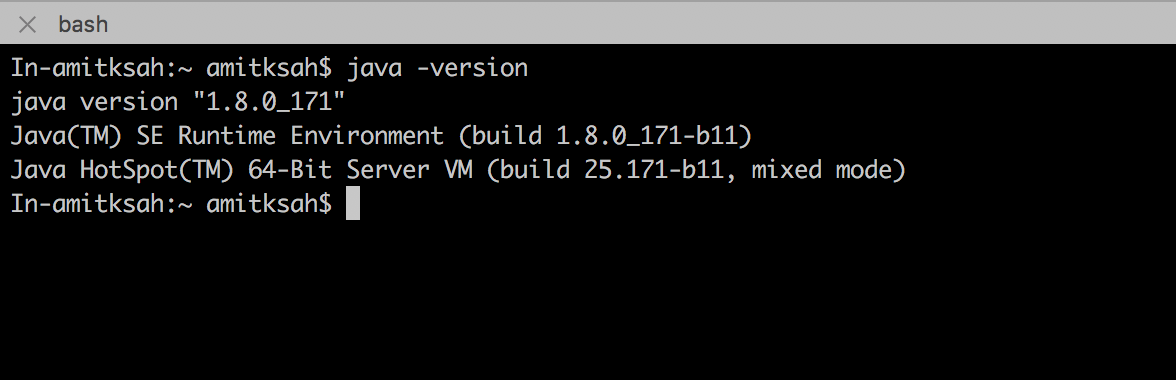
[]

**Getting started with the setup**

Install Java

Check whether you have java installed in your system

*java -version*

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*If not ()*

[*https://java.com/en/download/help/mac\_install.xml*](https://java.com/en/download/help/mac_install.xml)

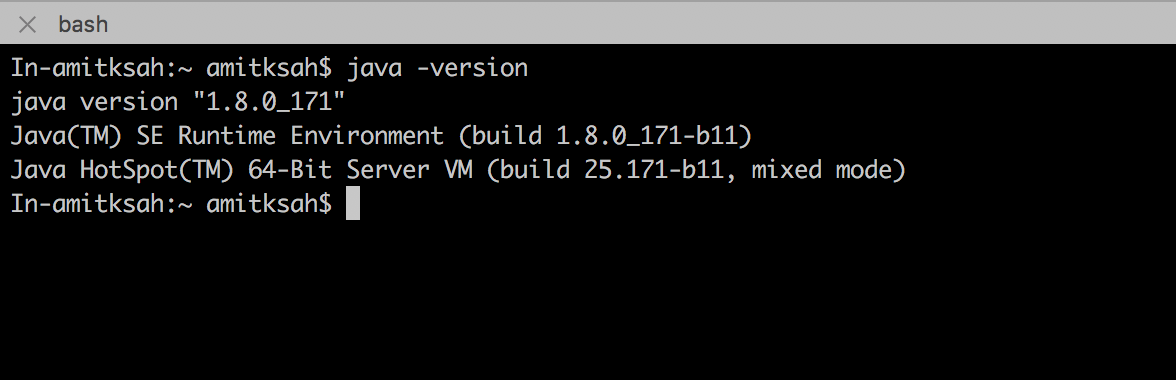
*“so , java is installed now move forward for any of the build tool .  
We can use maven / gradle ”*

**Maven**

How to install maven

Check whether you have maven installed in your mac

*mvn -v*

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*If not install using brew helper*

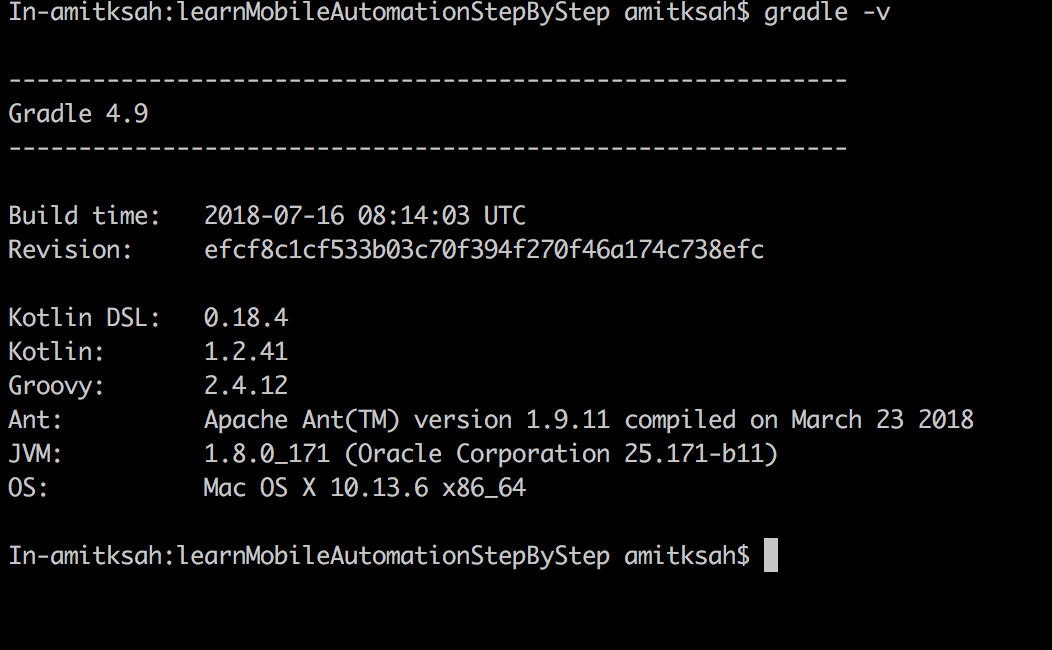
*Same time install the gradle as well , which we will use for Mobile (why – Even I am looking for a good justification)*

**Gradle**

*How to install gradle*

*Check the gradle version*

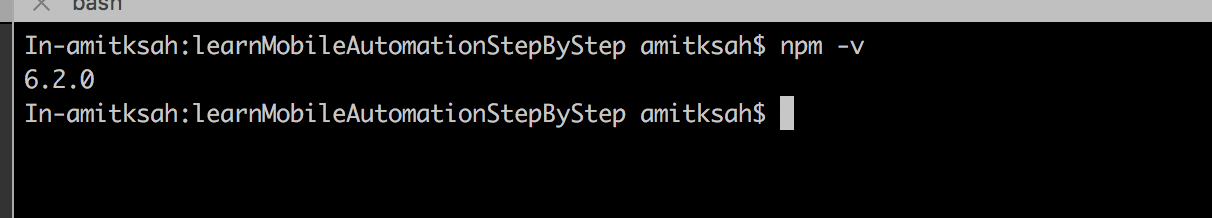
*gradle -v*

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*Install npm*

*Check the npm version*

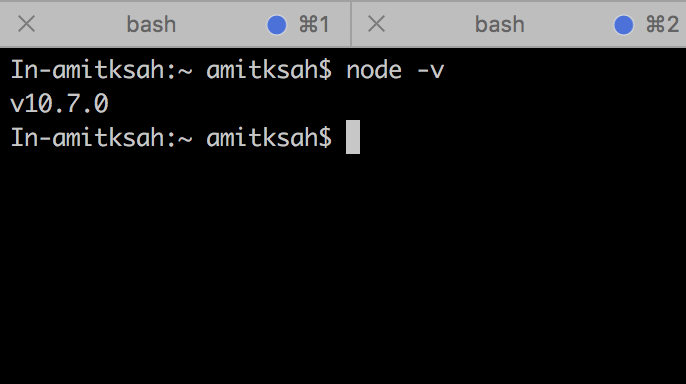
*npm -v*

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*Node*

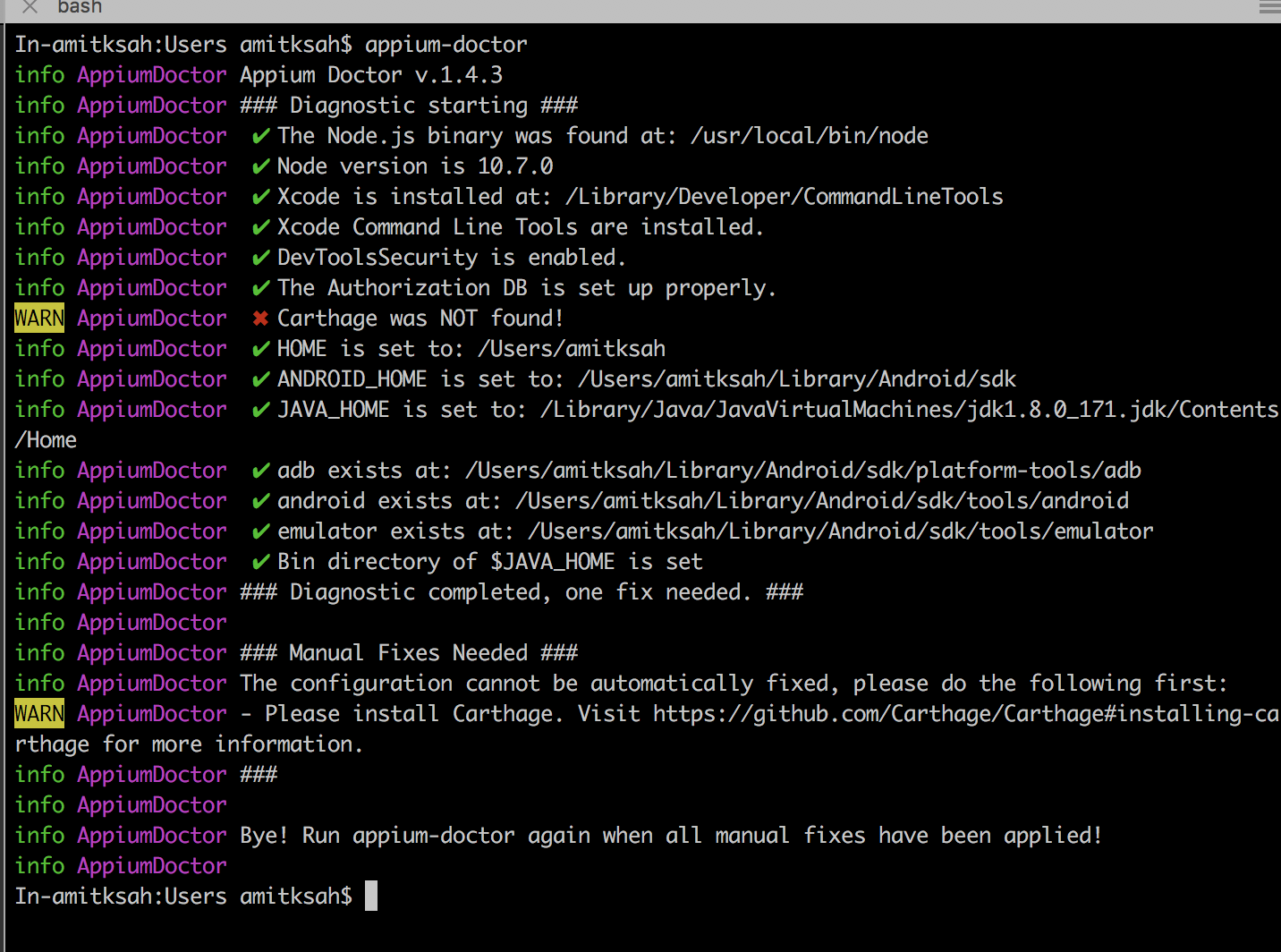
*Check the node installation / version*

*node -v*

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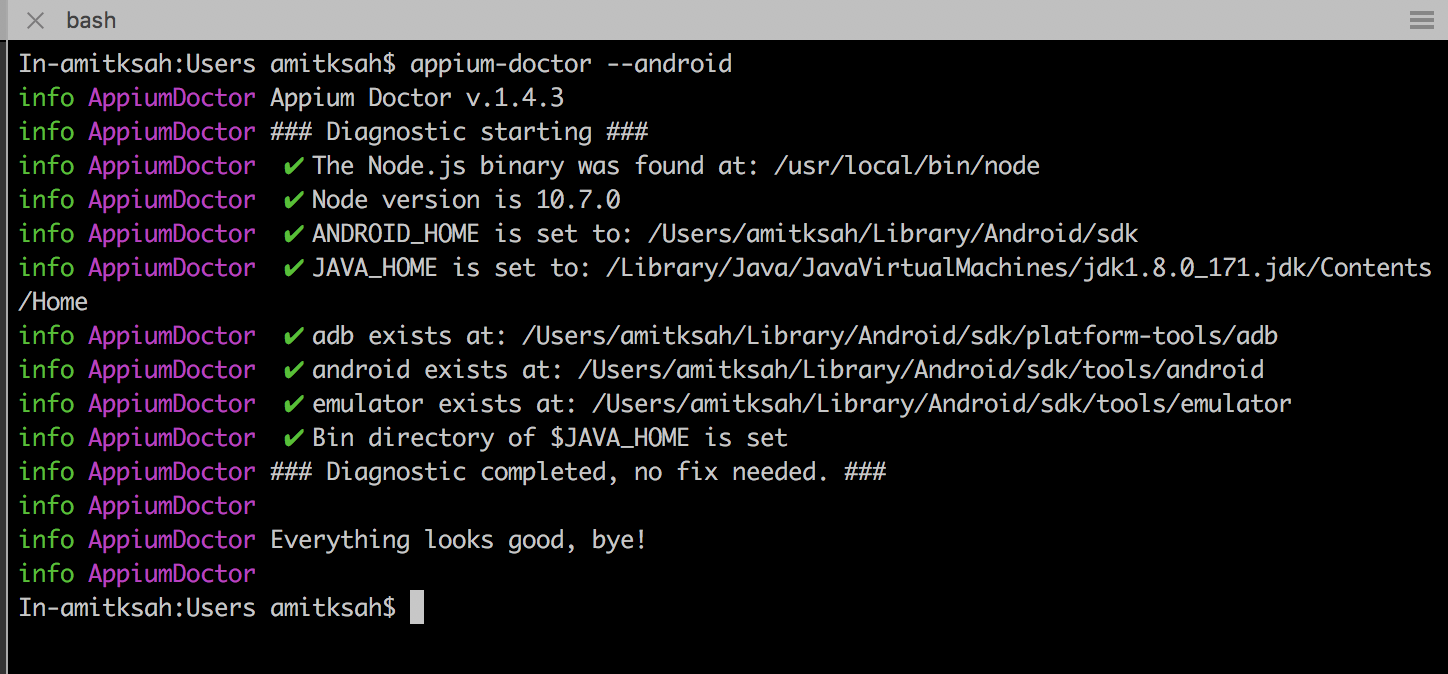
*Install Appium doctor*

*Appium -doctor*

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Ignore the warn for now and check the

*Appium -doctor –android*

**

We are good to start , the other tools installation we will manage by the build tools like maven or gradle

Oops , do we have IDE ? Please install IntelliJ

Connect Mobile using Data cable

* Developers options should be enables on your android device

to do that Go to

Settings > About Phone > Software information > Build Number

Click 7 time to enable it

* How can you verify whether it is enabled or not

Settings > Developer options

* Next go in to Settings > Developer options > In Debugging option and enable the USB debugging
* Make sure device is connected to data transfer mode
* Check using adb devices in terminal ☺