<https://kevinvecmanis.io/python/pyspark/install/2019/05/31/Installing-Apache-Spark.html>

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Python3.7 is already installed earlier in the mac

* cd
* mkdir server (this creates: /Users/ronakronik/server)

Download the following into /Users/ronakronik/server

<https://www.oracle.com/java/technologies/javase/javase-jdk8-downloads.html>: jdk-8u261-macosx-x64.dmg

<https://archive.apache.org/dist/spark/spark-2.4.3/> : spark-2.4.3-bin-hadoop2.7.tgz

<https://downloads.lightbend.com/scala/2.11.12/scala-2.11.12.tgz>

<https://github.com/sbt/sbt/releases/download/v0.13.17/sbt-0.13.17.tgz>

Expand / run all of the above 4 in /Users/ronakronik/server

It should look like the following

A screenshot of a cell phone

Description automatically generated

Edit ~/.bash\_profile and add the following:

export JAVA\_HOME=/Library/Java/JavaVirtualMachines/jdk1.8.0\_261.jdk/Contents/Home/

export SPARK\_HOME=/Users/ronakronik/server/spark-2.4.3-bin-hadoop2.7

export SBT\_HOME=/Users/ronakronik/server/sbt

export SCALA\_HOME=/Users/ronakronik/server/scala-2.11.12

export PATH=$JAVA\_HOME/bin:$SBT\_HOME/bin:$SBT\_HOME/lib:$SCALA\_HOME/bin:$SCALA\_HOME/lib:$PATH

export PATH=$SPARK\_HOME:$SPARK\_HOME/bin:$SPARK\_HOME/sbin:$PATH

export PYSPARK\_PYTHON=python3

# Setting PATH for Python 3.7

# The original version is saved in .bash\_profile.pysave

PATH="/Library/Frameworks/Python.framework/Versions/3.7/bin:${PATH}"

export PATH

Now run

* source ~/.bash\_profile
* java -version
* sbt -version
* scala -version
* spark-shell
* spark-submit test.py