INSTALLING MONGO DB ON MAC

1) Go to the MongoDB site and get the tar file. Use the Url:
   https://www.mongodb.org/downloads#production

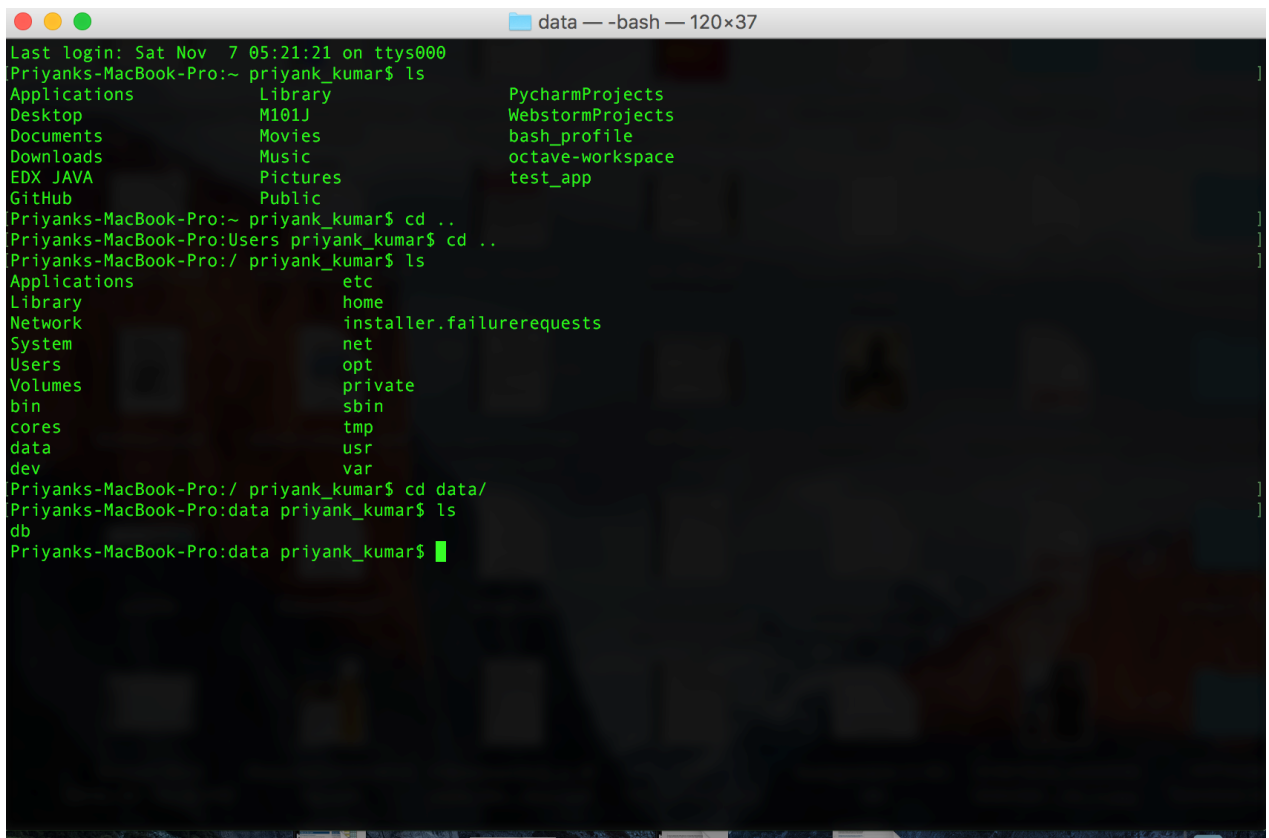2) Next execute the following commands on Terminal.

```
$ cd ~/Download
$ tar xzf mongodb-osx-x86_64-2.2.3.tgz
$ sudo mv mongodb-osx-x86_64-2.2.3  /usr/local/mongodb
```

```
week_3_bank_account.zip
week_3_car.zip
week_3_car_2.zip
week_3_colorimage_3D.zip
week_3_football.zip
week_4_bouncing_ball.zip
week_5_animating_football_v2.zip
week_5_power_n.zip
weka.jar
who.zip
who2015Dump-2.sql
who2015Dump.sql
zigzag-sigcomm.ppt
[Priyanks-MacBook-Pro:Downloads priyank_kumar$ cd ..
[Priyanks-MacBook-Pro:~ priyank_kumar$ cd..
-bash: cd..: command not found
[Priyanks-MacBook-Pro:~ priyank_kumar$ cd..
-bash: cd..: command not found
[Priyanks-MacBook-Pro:~ priyank_kumar$ cd ..
[Priyanks-MacBook-Pro:Users priyank_kumar$ cd ..
[Priyanks-MacBook-Pro:/ priyank_kumar$ cd ..
[Priyanks-MacBook-Pro:/ priyank_kumar$ ls
Applications            etc
Library                 home
Network                 installer.failurerequests
System                  net
Users                   opt
Volumes                 private
bin                     sbin
cores                   tmp
data                    usr
dev                     var
[Priyanks-MacBook-Pro:/ priyank_kumar$ cd usr/
[Priyanks-MacBook-Pro:usr priyank_kumar$ ls
X11         bin         libexec         share
X11R6       include     local           standalone
adic        lib         sbin
[Priyanks-MacBook-Pro:usr priyank_kumar$ cd l
-bash: cd: l: No such file or directory
[Priyanks-MacBook-Pro:usr priyank_kumar$ cd local/
[Priyanks-MacBook-Pro:local priyank_kumar$ ls
CODEOFCONDUCT.md            lib
CONTRIBUTING.md             man
Cellar                      mongodb
LICENSE.txt                 mysql
Library                     mysql-5.6.26-osx10.8-x86_64
README.md                   mysql-connector-c-6.1.6-osx10.8-x86_64
SUPPORTERS.md               octave
bin                         opt
etc                         share
include
[Priyanks-MacBook-Pro:local priyank_kumar$ cd mongodb/
[Priyanks-MacBook-Pro:mongodb priyank_kumar$ ls
GNU-AGPL-3.0            THIRD-PARTY-NOTICES
README                 bin
Priyanks-MacBook-Pro:mongodb priyank_kumar$ 
```

After you move your Mongo DB extracted files you should be able to see them in the new moved Location.

3) By default the Mongo DB will write or store data into the **/data/db** folder, so you will be required to create this folder manually and assign proper permission to it.

```
$ sudo mkdir -p /data/db
$ whoami
username
$ sudo chown username /data/db
```

```
● ● ●                           data — -bash — 120×37
Priyanks-MacBook-Pro:data priyank_kumar$
Priyanks-MacBook-Pro:data priyank_kumar$
Priyanks-MacBook-Pro:data priyank_kumar$
Priyanks-MacBook-Pro:data priyank_kumar$
Priyanks-MacBook-Pro:data priyank_kumar$
Priyanks-MacBook-Pro:data priyank_kumar$
Priyanks-MacBook-Pro:data priyank_kumar$
Priyanks-MacBook-Pro:data priyank_kumar$
Priyanks-MacBook-Pro:data priyank_kumar$
Priyanks-MacBook-Pro:data priyank_kumar$
Priyanks-MacBook-Pro:data priyank_kumar$ ls
db
Priyanks-MacBook-Pro:data priyank_kumar$ cd ..
Priyanks-MacBook-Pro:/ priyank_kumar$ cd ..
Priyanks-MacBook-Pro:/ priyank_kumar$ ls
Applications                 cores                    opt
Library                      data                     private
Network                      dev                      sbin
System                       etc                      tmp
Users                        home                     usr
Volumes                      installer.failurerequests var
bin                          net
Priyanks-MacBook-Pro:/ priyank_kumar$ cd data/
Priyanks-MacBook-Pro:data priyank_kumar$ ls
db
Priyanks-MacBook-Pro:data priyank_kumar$ whoami
priyank_kumar
Priyanks-MacBook-Pro:data priyank_kumar$ man chown
Priyanks-MacBook-Pro:data priyank_kumar$
Priyanks-MacBook-Pro:data priyank_kumar$ man ls
Priyanks-MacBook-Pro:data priyank_kumar$
Priyanks-MacBook-Pro:data priyank_kumar$ ls -h
db
Priyanks-MacBook-Pro:data priyank_kumar$ ls -l
total 0
drwxr-xr-x  12 priyank_kumar  wheel  408 Oct 22 13:41 db
Priyanks-MacBook-Pro:data priyank_kumar$
```

**NOTE:** If you proceed without providing permissions you will get the following error:

**Unable to create/open lock file: /data/db/mongod.lock**

4) To execute Mongo's commands easily you will be required to add mongodb/bin to $PATH. Following the steps below can do this.

**$ cd ~**
**$ pwd**
**/Users/username**
**$ touch .bash_profile**
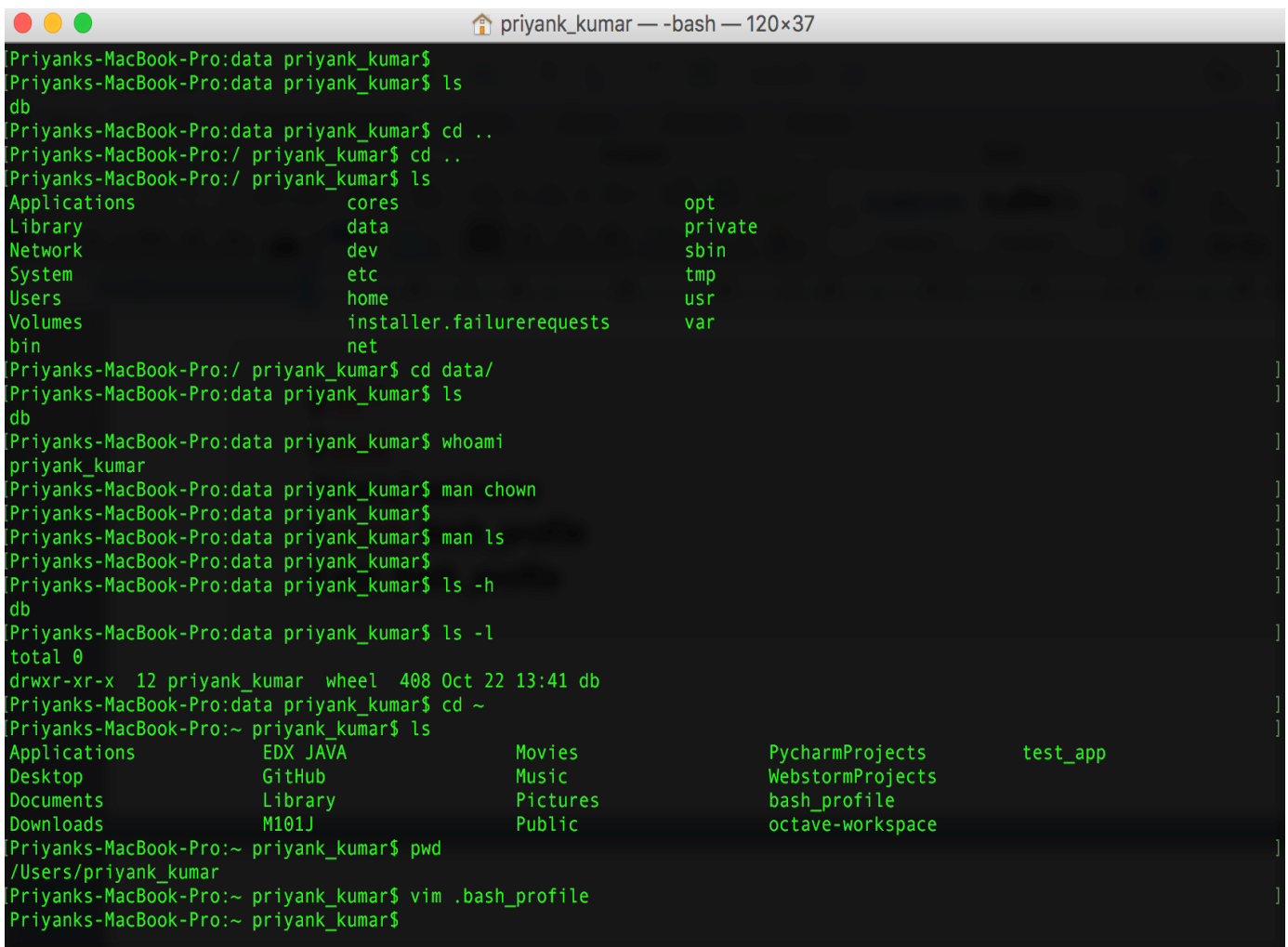**$ vim .bash_profile**

In your editor type the following:
  export MONGO_PATH=/usr/local/mongodb
  export PATH=$PATH:$MONGO_PATH/bin
Save using :wq;
Restart Terminal
**$ mongo --version**
MongoDB shell version: 2.2.3

```
Priyanks-MacBook-Pro:data priyank_kumar$
Priyanks-MacBook-Pro:data priyank_kumar$ ls
db
Priyanks-MacBook-Pro:data priyank_kumar$ cd ..
Priyanks-MacBook-Pro:/ priyank_kumar$ cd ..
Priyanks-MacBook-Pro:/ priyank_kumar$ ls
Applications              cores                    opt
Library                   data                     private
Network                   dev                      sbin
System                    etc                      tmp
Users                     home                     usr
Volumes                   installer.failurerequests var
bin                       net
Priyanks-MacBook-Pro:/ priyank_kumar$ cd data/
Priyanks-MacBook-Pro:data priyank_kumar$ ls
db
Priyanks-MacBook-Pro:data priyank_kumar$ whoami
priyank_kumar
Priyanks-MacBook-Pro:data priyank_kumar$ man chown
Priyanks-MacBook-Pro:data priyank_kumar$
Priyanks-MacBook-Pro:data priyank_kumar$ man ls
Priyanks-MacBook-Pro:data priyank_kumar$
Priyanks-MacBook-Pro:data priyank_kumar$ ls -h
db
Priyanks-MacBook-Pro:data priyank_kumar$ ls -l
total 0
drwxr-xr-x  12 priyank_kumar  wheel  408 Oct 22 13:41 db
Priyanks-MacBook-Pro:data priyank_kumar$ cd ~
Priyanks-MacBook-Pro:~ priyank_kumar$ ls
Applications         EDX JAVA          Movies          PycharmProjects        test_app
Desktop              GitHub            Music           WebstormProjects
Documents            Library           Pictures        bash_profile
Downloads            M101J             Public          octave-workspace
Priyanks-MacBook-Pro:~ priyank_kumar$ pwd
/Users/priyank_kumar
Priyanks-MacBook-Pro:~ priyank_kumar$ vim .bash_profile
Priyanks-MacBook-Pro:~ priyank_kumar$
```

```
#Setting PATH for Python 3.4
# The orginal version is saved in .bash_profile.pysave
PATH="/Library/Frameworks/Python.framework/Versions/3.4/bin:${PATH}"
export PATH

# Setting PATH for Python 3.5
# The orginal version is saved in .bash_profile.pysave
PATH="/Library/Frameworks/Python.framework/Versions/3.5/bin:${PATH}"

# setting path for Mongo
export MONGO_PATH=/usr/local/mongodb
export PATH=$PATH:$MONGO_PATH/bin

# setting path for GIT
export GIT_HOME=/usr/local/Cellar/git/2.6.1/bin
export PATH=$GIT_HOME:$PATH

# setting path for coursera
export WEB_URL='http://www.coursera.com'

# setting path for Maven
alias mvn=/Users/priyank_kumar/Downloads/apache-maven-3.3.3/bin/mvn
export JAVA_HOME=/Library/Java/JavaVirtualMachines/jdk1.8.0_45.jdk/Contents/home
if which rbenv > /dev/null; then eval "$(rbenv init -)"; fi
~
~
~
~
~
~
~
~
~
~
~
~
-- INSERT --
```

5) Starting Mongo DB. Use **mongod** the daemon process of mongo DB to start it. In a separate terminal window type **mongo** to start the client that connects to the mongo DB.

```
    501 60329 60191   0  5:36AM ttys001    0:00.01 grep -i mongo
[Priyanks-MacBook-Pro:~ priyank_kumar$ kill -9 15730
[Priyanks-MacBook-Pro:~ priyank_kumar$ ps -ef | grep -i mongo
    501 60331 60191   0  5:36AM ttys001    0:00.00 grep -i mongo
[Priyanks-MacBook-Pro:~ priyank_kumar$ mongod
2015-11-07T05:36:45.279-0500 W -        [initandlisten] Detected unclean shutdown - /data/db/mongod.lock is not empty.
2015-11-07T05:36:45.300-0500 I JOURNAL  [initandlisten] journal dir=/data/db/journal
2015-11-07T05:36:45.301-0500 I JOURNAL  [initandlisten] recover begin
2015-11-07T05:36:45.312-0500 I JOURNAL  [initandlisten] recover lsn: 36034793
2015-11-07T05:36:45.312-0500 I JOURNAL  [initandlisten] recover /data/db/journal/j._0
2015-11-07T05:36:45.313-0500 I JOURNAL  [initandlisten] recover skipping application of section seq:0 < lsn:36034793
2015-11-07T05:36:45.313-0500 I JOURNAL  [initandlisten] recover skipping application of section seq:18235442 < lsn:36034
793
2015-11-07T05:36:45.314-0500 I JOURNAL  [initandlisten] recover skipping application of section seq:18285072 < lsn:36034
793
2015-11-07T05:36:45.315-0500 I JOURNAL  [initandlisten] recover skipping application of section seq:18486952 < lsn:36034
793
2015-11-07T05:36:45.323-0500 I STORAGE  [initandlisten] recover create file /data/db/m101.ns 16MB
2015-11-07T05:36:45.361-0500 I STORAGE  [initandlisten] recover create file /data/db/m101.0 64MB
2015-11-07T05:36:45.532-0500 I JOURNAL  [initandlisten] recover cleaning up
2015-11-07T05:36:45.532-0500 I JOURNAL  [initandlisten] removeJournalFiles
2015-11-07T05:36:45.533-0500 I JOURNAL  [initandlisten] recover done
2015-11-07T05:36:45.548-0500 I JOURNAL  [durability] Durability thread started
2015-11-07T05:36:45.548-0500 I CONTROL  [initandlisten] MongoDB starting : pid=60332 port=27017 dbpath=/data/db 64-bit h
ost=Priyanks-MacBook-Pro.local
2015-11-07T05:36:45.548-0500 I JOURNAL  [journal writer] Journal writer thread started
2015-11-07T05:36:45.548-0500 I CONTROL  [initandlisten]
2015-11-07T05:36:45.548-0500 I CONTROL  [initandlisten] ** WARNING: soft rlimits too low. Number of files is 256, should
 be at least 1000
2015-11-07T05:36:45.548-0500 I CONTROL  [initandlisten] db version v3.0.6
2015-11-07T05:36:45.548-0500 I CONTROL  [initandlisten] git version: 1ef45a23a4c5e3480ac919b28afcba3c615488f2
2015-11-07T05:36:45.548-0500 I CONTROL  [initandlisten] build info: Darwin mci-osx108-7.build.10gen.cc 12.5.0 Darwin Ker
nel Version 12.5.0: Sun Sep 29 13:33:47 PDT 2013; root:xnu-2050.48.12~1/RELEASE_X86_64 x86_64 BOOST_LIB_VERSION=1_49
2015-11-07T05:36:45.548-0500 I CONTROL  [initandlisten] allocator: system
2015-11-07T05:36:45.548-0500 I CONTROL  [initandlisten] options: {}
2015-11-07T05:36:45.681-0500 I NETWORK  [initandlisten] waiting for connections on port 27017
```