Search Application – Phase 1

Search Application is an application that can be used to search tweets or comparable data of your choice.

This document contains details on [Installing](file:///C:\Users\Eman\AppData\Local\Temp\Temp1_R2.zip\R2\ReadMe.docx#_Install_&_Setup) and [Running](file:///C:\Users\Eman\AppData\Local\Temp\Temp1_R2.zip\R2\ReadMe.docx#_Running_ToolShare) this application using Tweet and Amazon

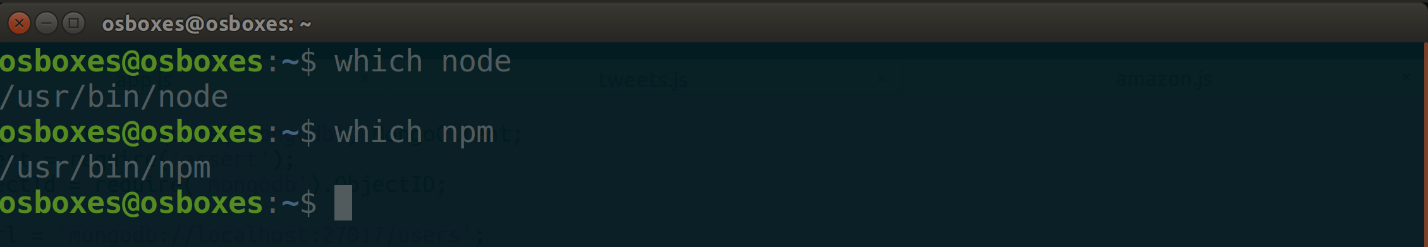
datasets.

Before you start running our backend application, please install the driver (NodeJS) to connect to MongoDB.

## Install:

1. Check if Node and NPM are already installed by running the following commands on terminal:
2. which node
3. which npm

You will get the following output if it is already installed (**Skip the next install section**).



If these commands return no output but just pass silently, then you must install them (**follow the install section**).

1. Install Node and NPM



1. Initialize npm by running - **npm init**
2. Install MongoDB package for NodeJS.



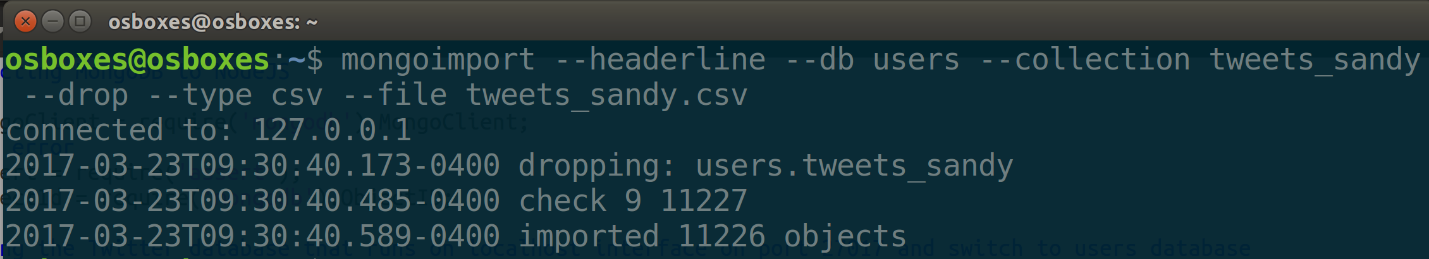
## Running Backend Application for tweets collection:

Prerequisites:

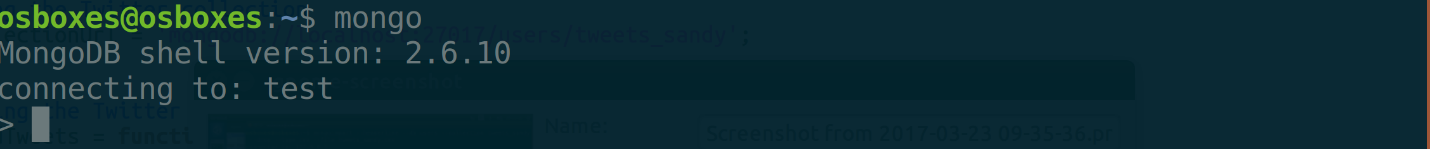
1. Save tweets.js file in your home directory
2. Download tweets\_sandy.csv collection from <http://kelvin.ist.rit.edu/~mjmic> and save it in your home directory
3. Import the tweets

(**Note:** Make sure you exit the mongo shell (using **exit**) and issue the following command at the system prompt)

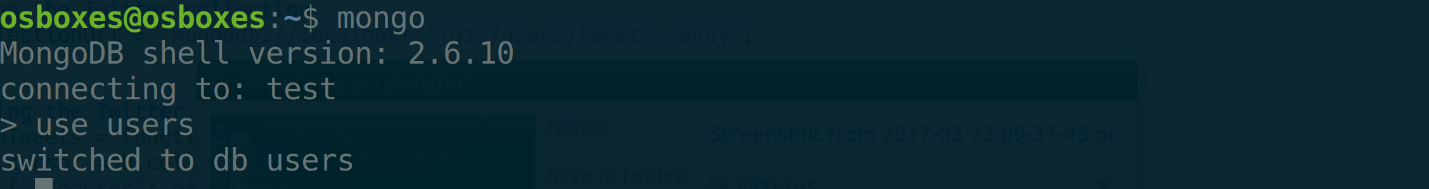
**mongoimport --headerline --db users --collection tweets\_sandy --drop --type csv --file tweets\_sandy.csv**



1. Start mongo client by running **mongo**



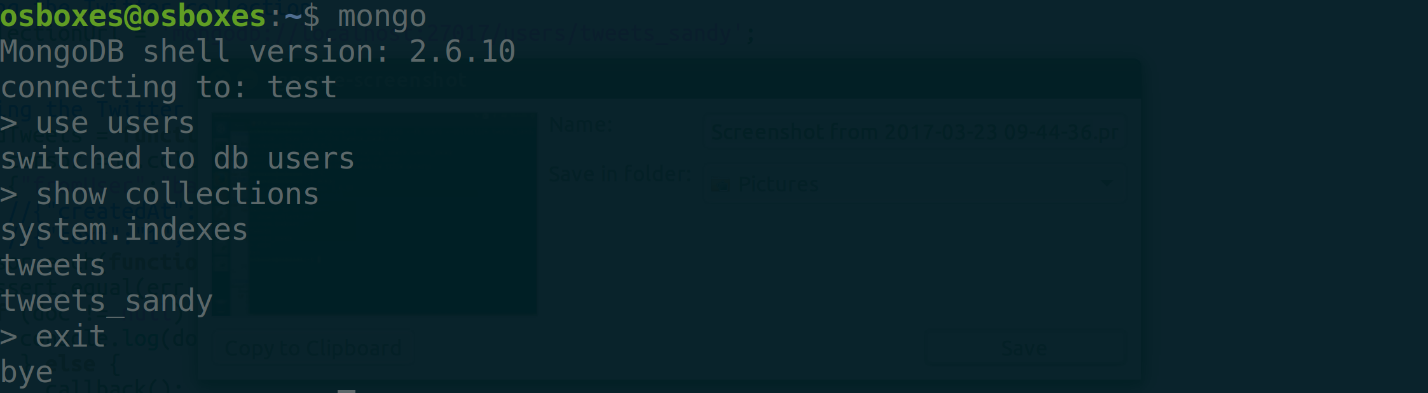
1. Access Users database by running **use users**



1. Show that you have tweets\_sandy collection under users database by running **show collections**



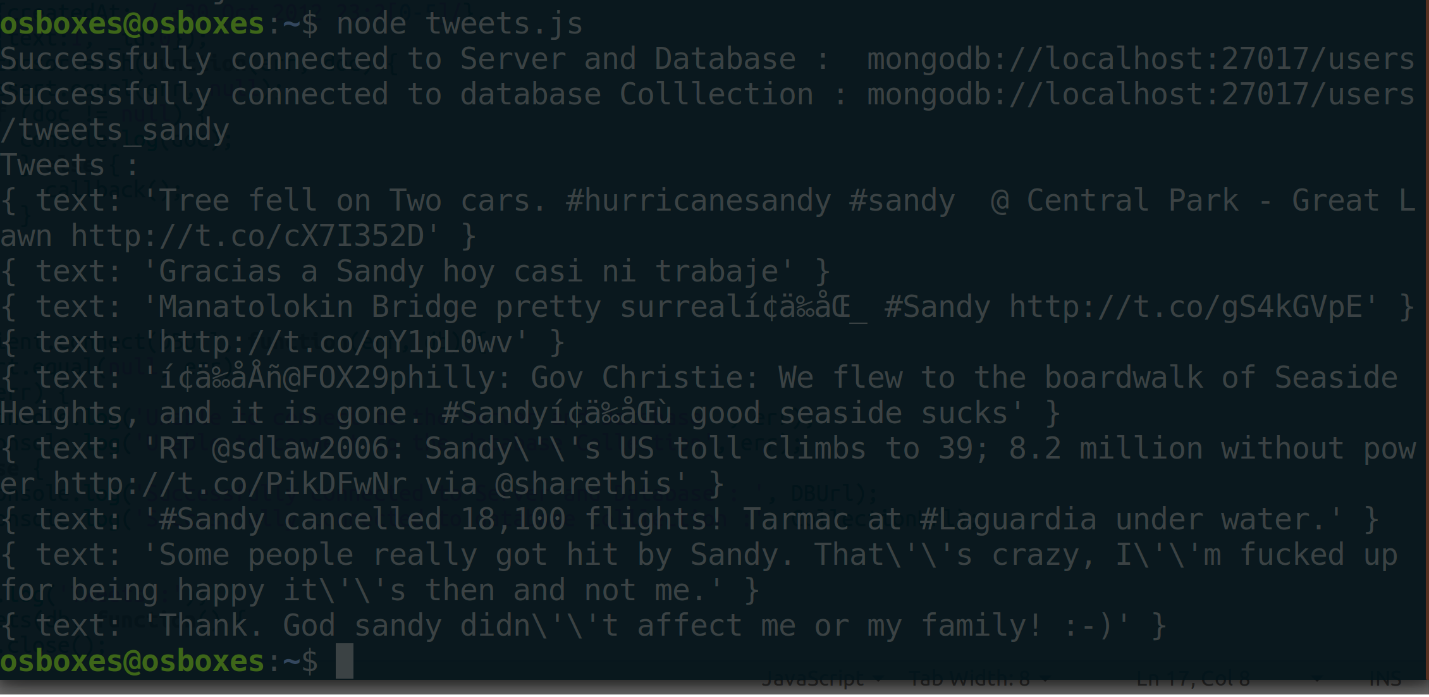
1. Exit mongo client by running **exit**



1. Run the program using **node tweets.js**



You will get the following output:



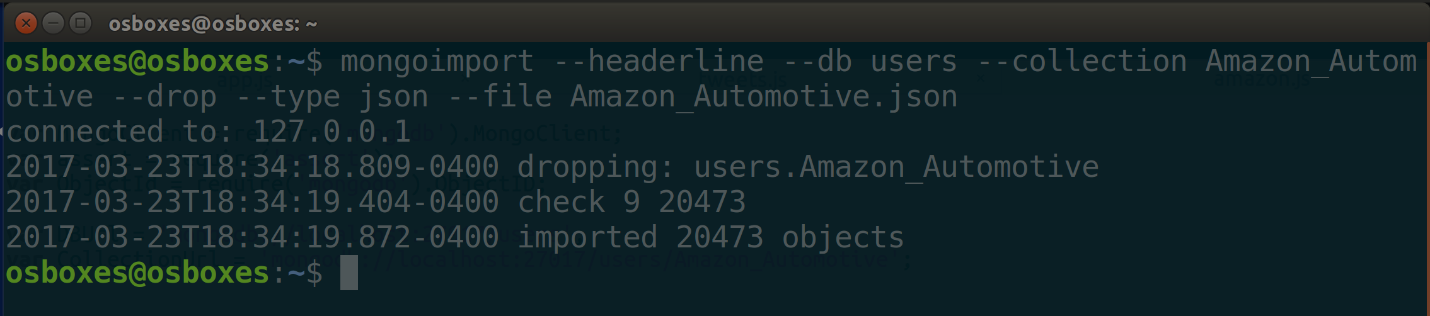
## Running Backend Application for amazon collection:

Prerequisites:

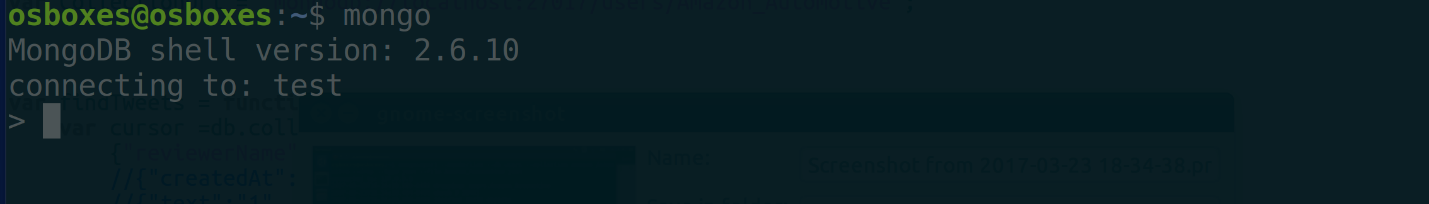
1. Save amazon.js file in your home directory
2. Download tweets\_sandy.csv collection from RIT myCourses and save it in your home directory
3. Import amazon

(**Note:** Make sure you exit the mongo shell (using **exit**) and issue the following command at the system prompt)

**mongoimport --headerline --db users --collection Amazon\_Automotive --drop --type json --file Amazon\_Automotive.json**



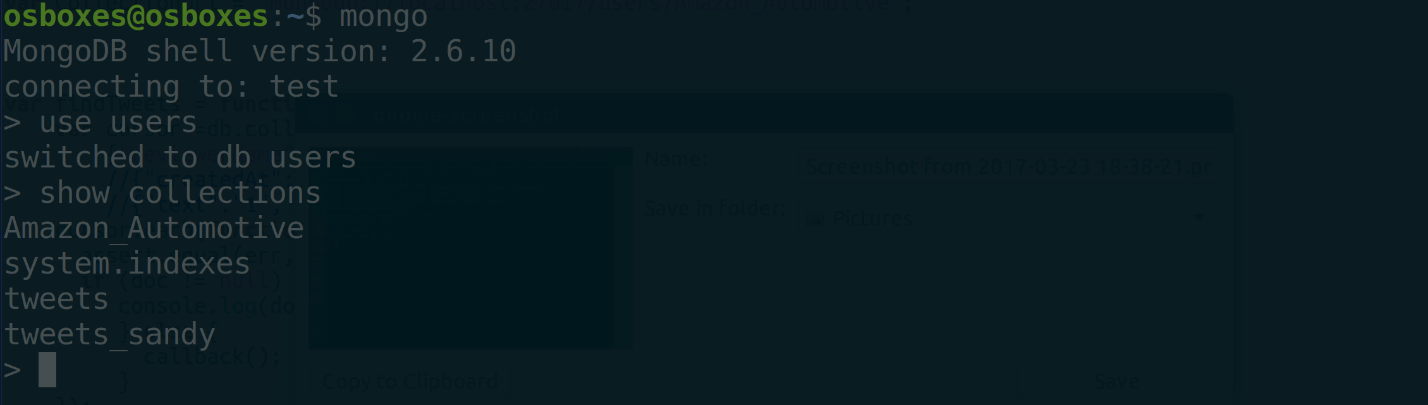
1. Start mongo client by running **mongo**



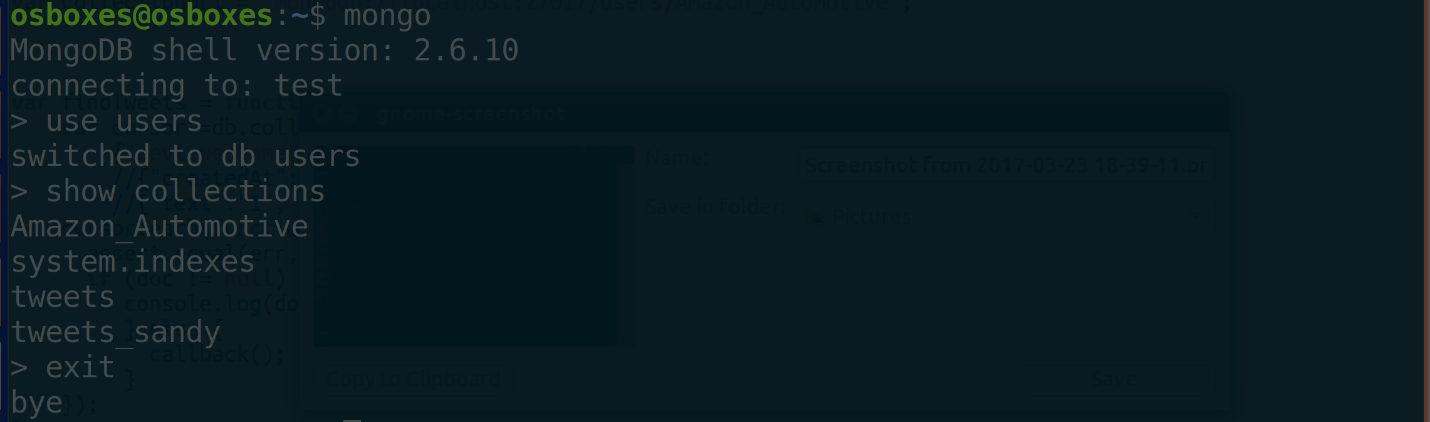
1. Access Users database by running **use users**



1. Show that you have Amazon\_Automotive collection under users database by running **show collections**



1. Exit mongo client by running **exit**



1. Run the program using **node amazon.js**



You will get the following output:

