# **DB Creation and Collection Creation**

1. install mongodb on your local system from the mongodb site (<https://www.mongodb.com/download-center#community)>
2. Set up :

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| open folder where mongodb is intalled  e.g.  /Users/raghuramsrinivas/localdrive/mongodb/mongodb  1. Create one folder here, name it data.  2. Create another folder inside data and name it as db, that’s where all the data will be stored. |
| Start the mongodb instance from the command prompt/terminal  On mac / linux :  ./mongod --dbpath /Users/raghuramsrinivas/localdrive/mongodb/mongodb/data/db  On Windows : mongod.exe --dbpath /Users/raghuramsrinivas/localdrive/mongodb/mongodb/data/db |
| Open another terminal window and Start the mongodb shell by starting by running the following :  On mac / linux  $./mongo  on windows  mongo.exe |
| List existing databases using the command   show dbs;  Create a database using command  use sakila ; |
| Create a collection called film  db.createCollection("film") |
| List all the collections in sakila db  show collections; |
| Insert a record into the collection  db.film.insert({  "film\_id" : 1,  "title" : "ACADEMY DINOSAUR",  "description" : "A Epic Drama of a Feminist And a Mad Scientist who must Battle a Teacher in The Canadian Rockies",  "release\_year" : 2006,  "language\_id" : 1,  "original\_language\_id" : null,  "rental\_duration" : 6,  "rental\_rate" : 0.99,  "length" : 86,  "replacement\_cost" : 20.99,  "rating" : "PG",  "special\_features" : "Deleted Scenes,Behind the Scenes",  "last\_update" : "2006-02-15 05:03:42"  }) |
| Get information about the collection   db.getCollectionInfos() |
| db.film.count() to count # of rows in collection |
| Bulk insert data : Open another terminal window and the run the following command  On mac/linux  ./mongoimport --db sakila  --jsonArray   --collection film --drop --file  /Users/raghuramsrinivas/localdrive/mongodb/mongodb/temp/sakila\_film.json  On Windows  mongoimport.exe --db sakila  --jsonArray   --collection film --drop --file  C:\Users\javie\OneDrive\Documents\Academics\SMU\MSDS 7330 - File Organization and Database Management\Coursework\Week\_11\MSDS7330\_Wk11\_Homework/sakila\_film.json |
| Get the count of the number of records in the film collection in the mongodb shell  db.film.count() |
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Note : If you are unable to set up mongodb on your local system , consider using a free online mongodb instance @

<https://www.tutorialspoint.com/mongodb_terminal_online.php>