COMP6210 Assignment 1

Submitted by:

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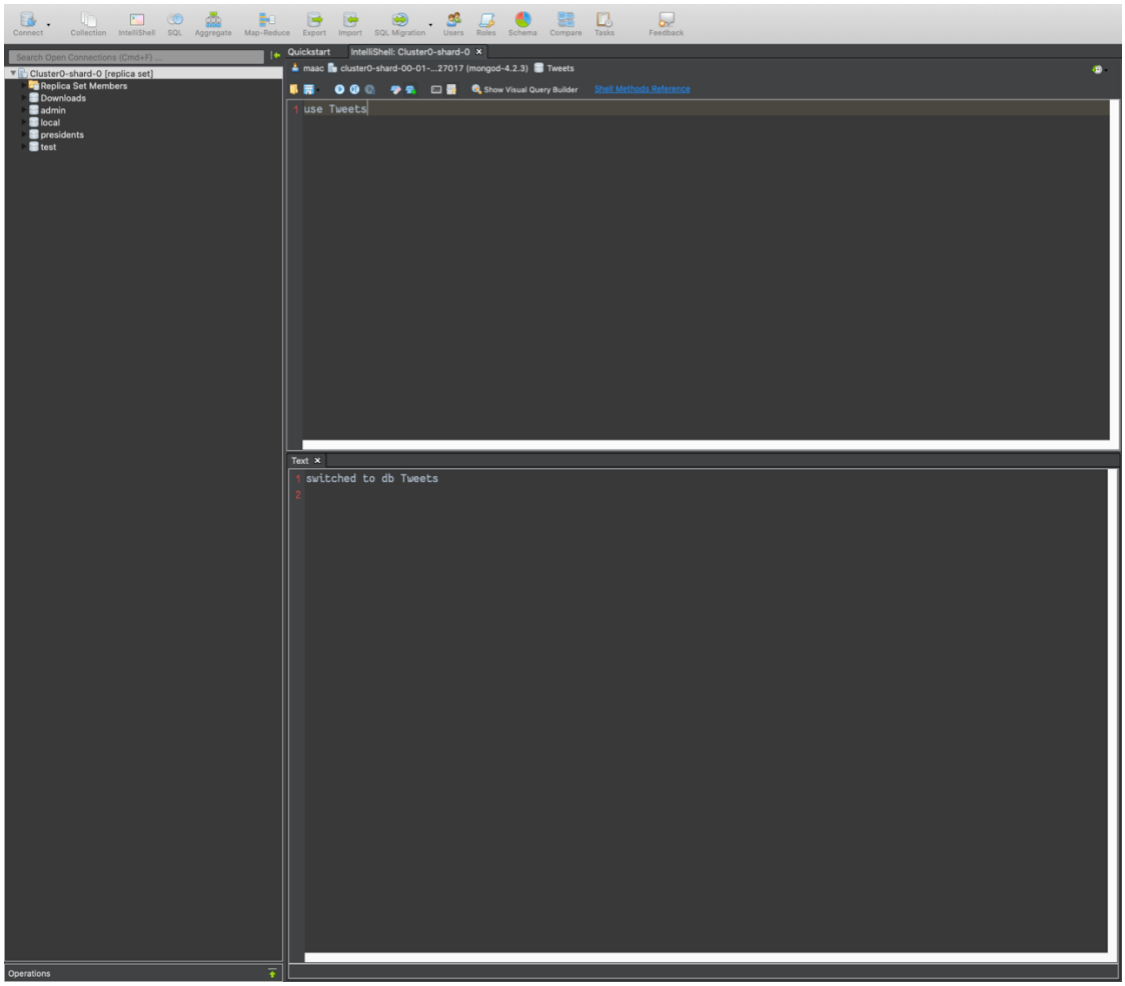
Q1) Create a collection called ‘Tweets’. We’re going to put some Tweets in it.

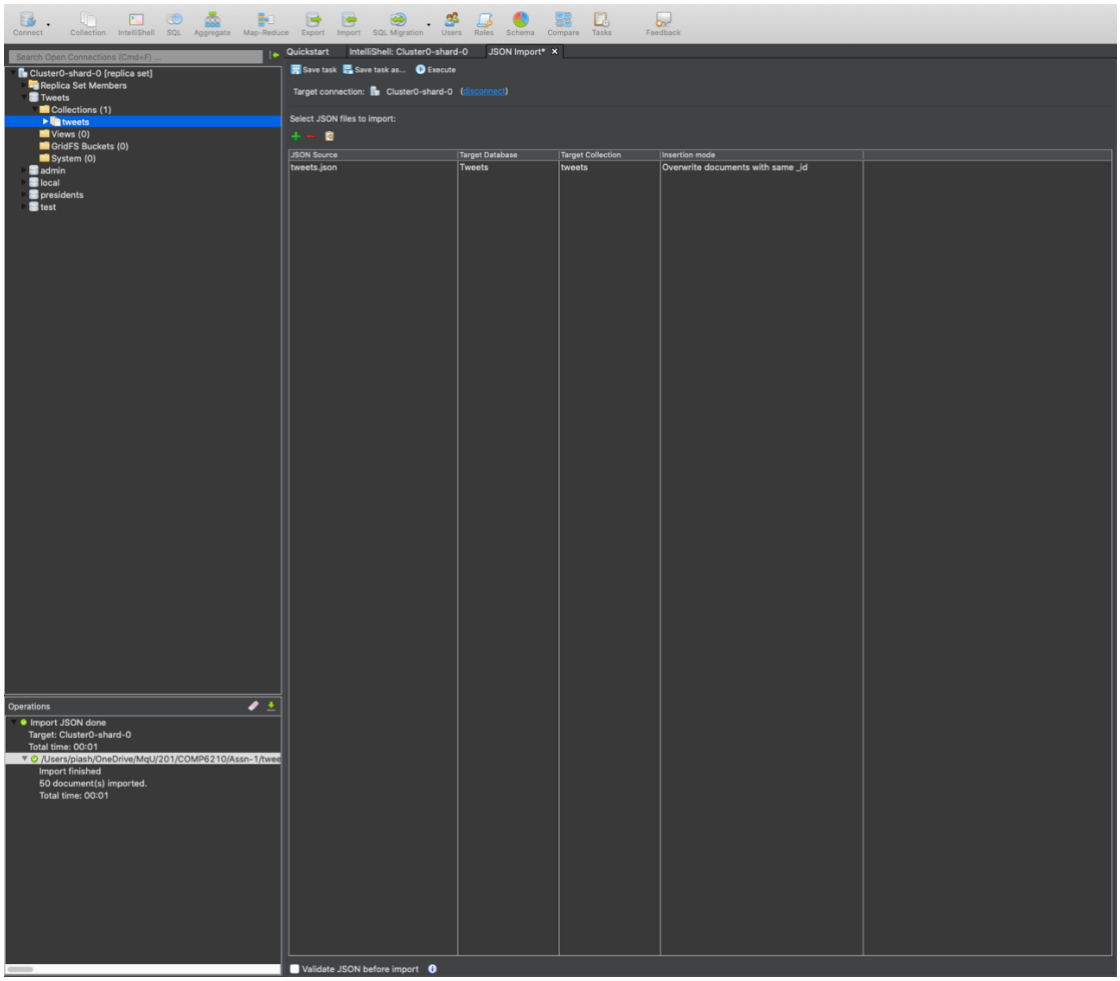
Answer:

use Tweets



Q2) Add 50 Tweets to the database.

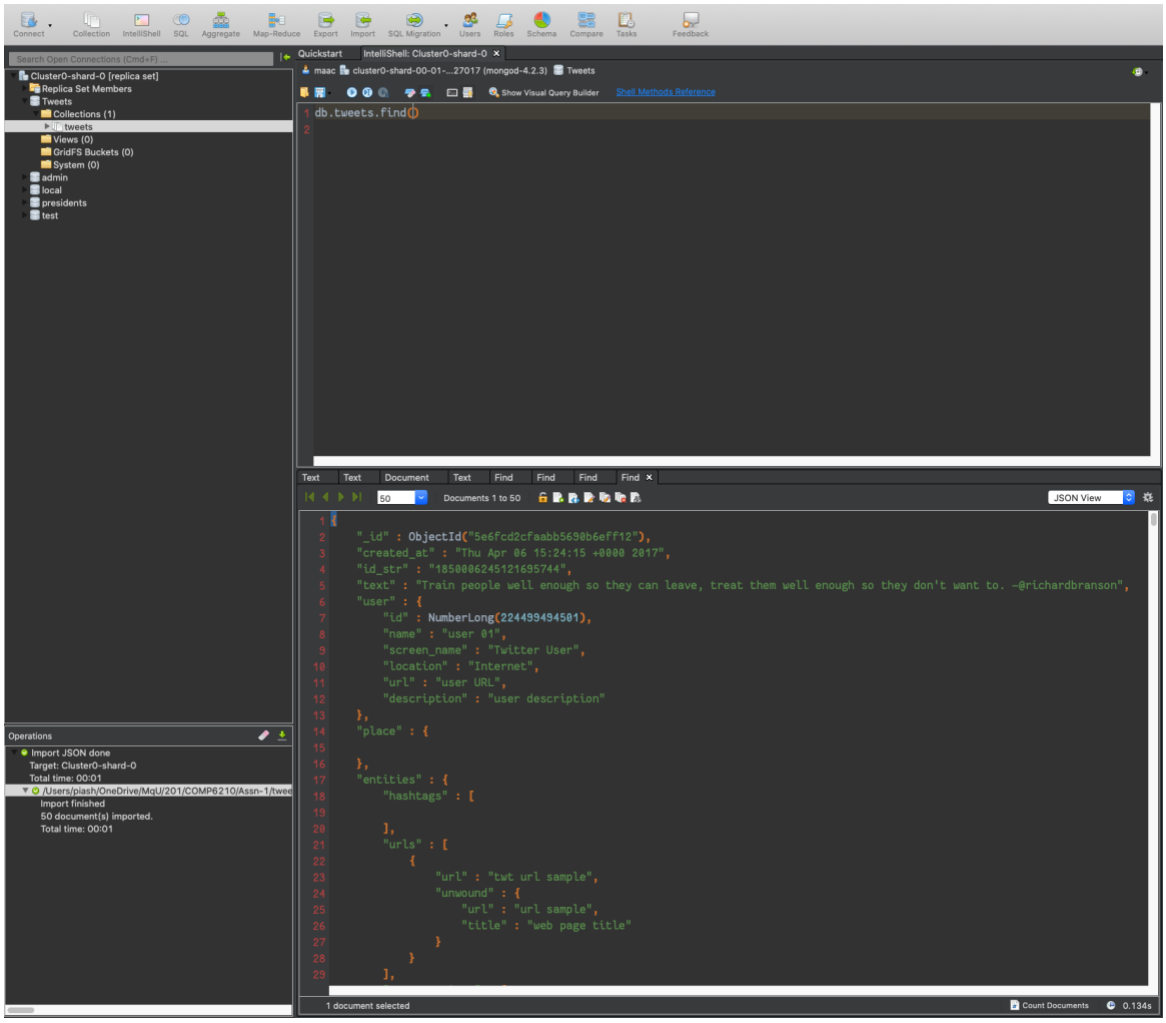
Answer:



Q3) Write a MongoDB query that returns all the Tweets.

Answer:

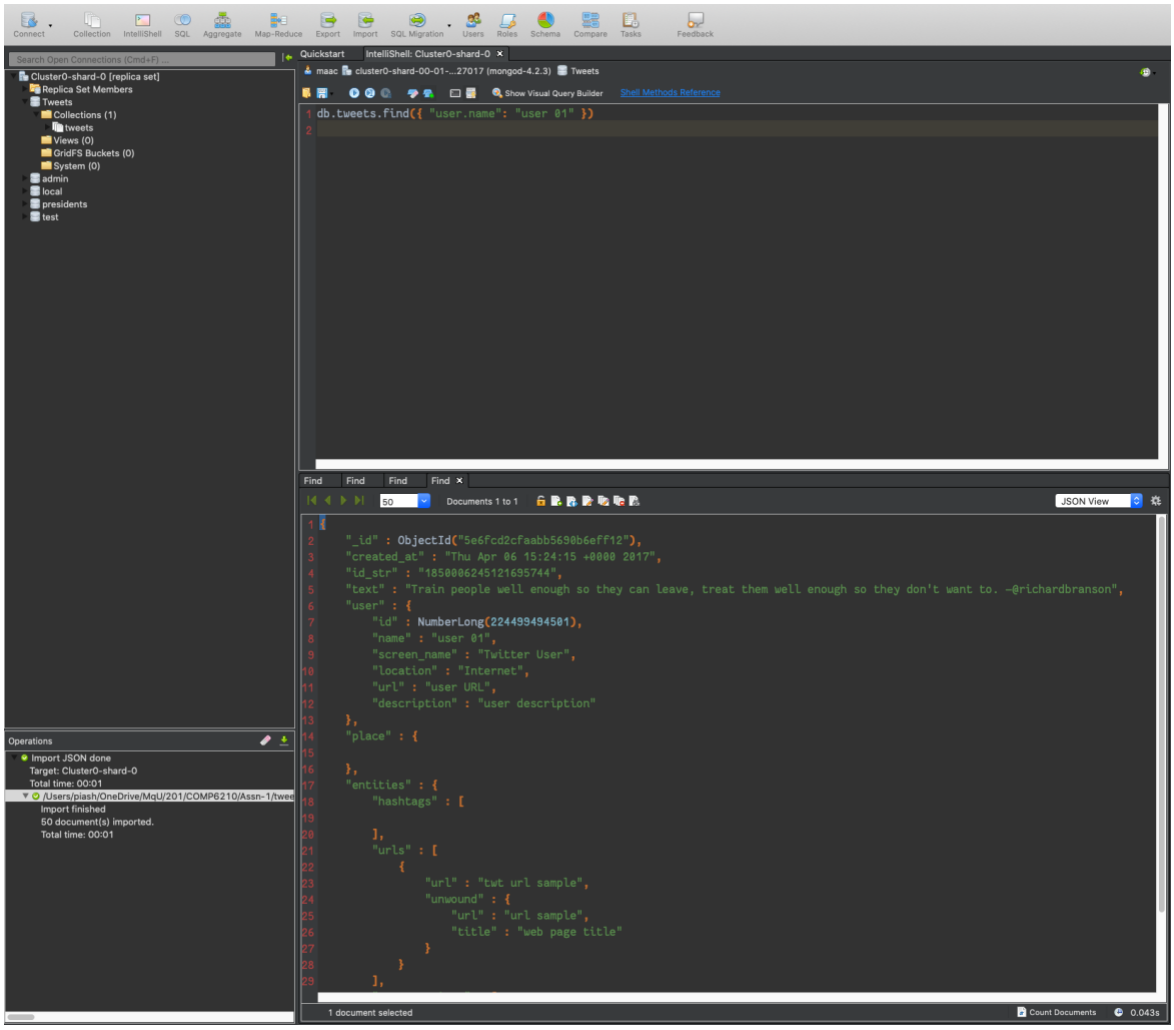
db.tweets.find()



Q4) Write a MongoDB query to find one of your Tweets by name (e.g. "name": "Twitter Dev").

Answer:

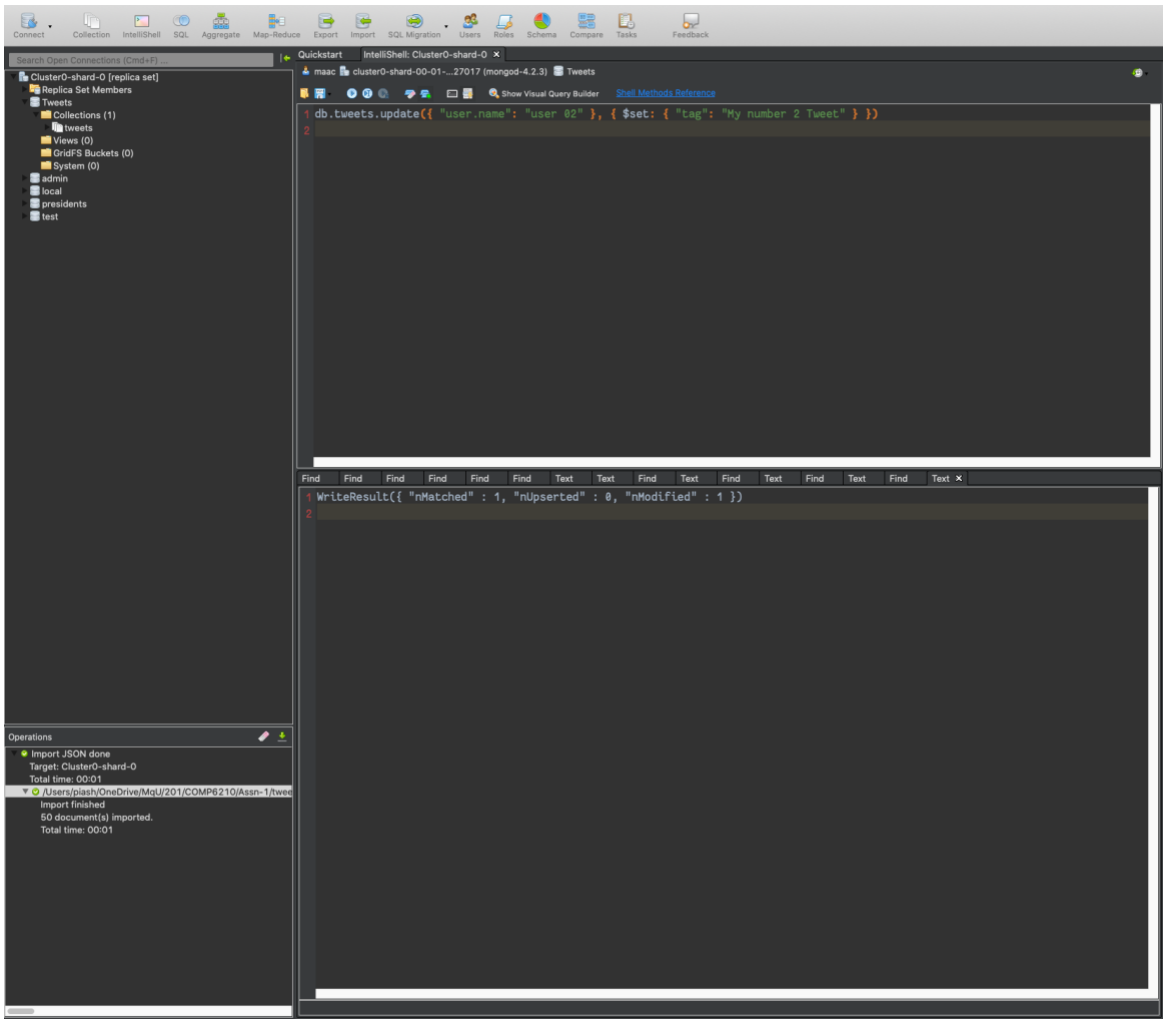
db.tweets.find({ “user.name”: “user 01” })



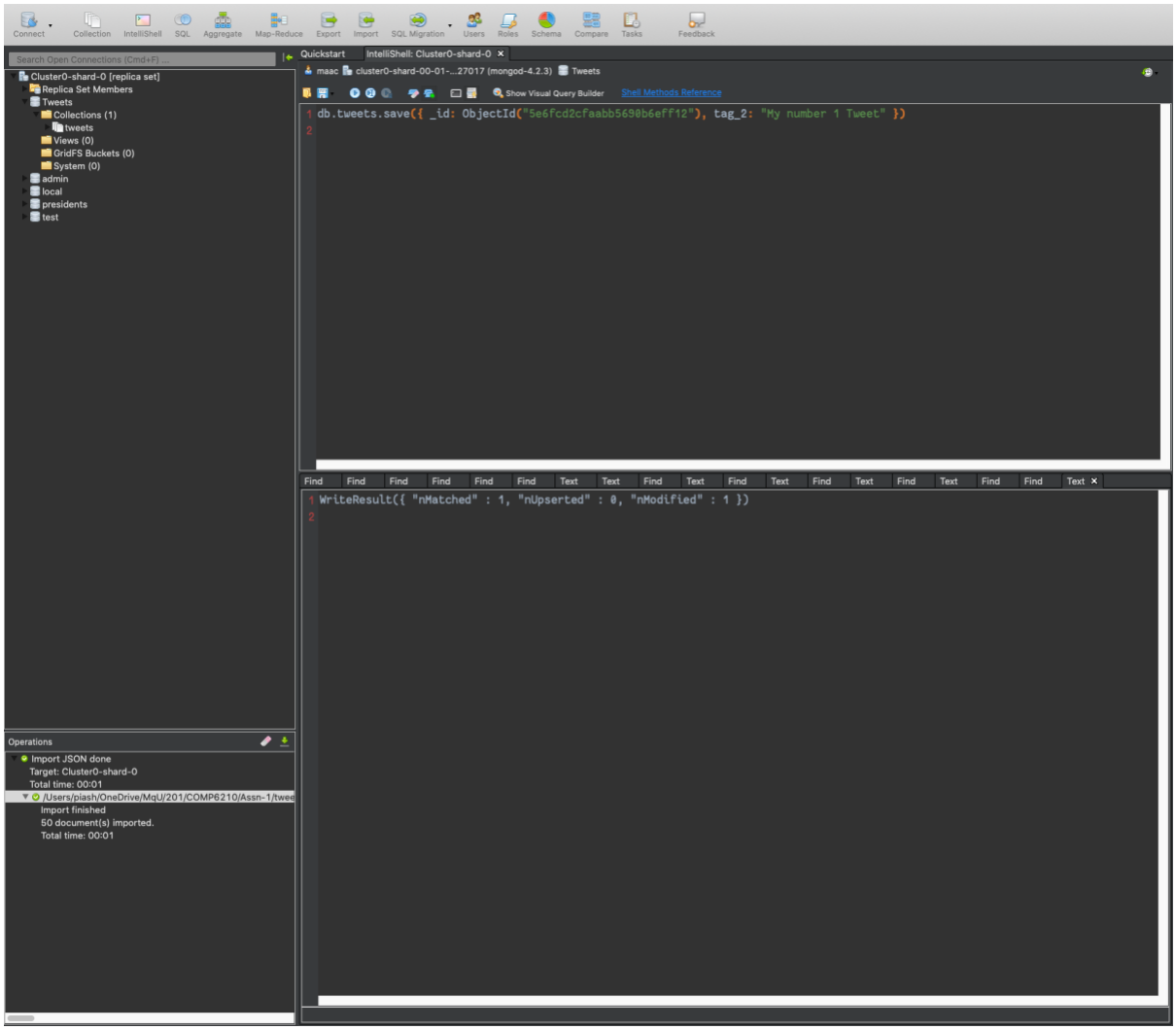
Q5) Update your two favourite Tweets to have two tags called ‘My number 1 Tweet’ and ‘My number 2 Tweet’. Show two ways to do this. Do the first using update() and do the second using save().

Answer:

db.tweets.update({ “user.name”: “user 02” }, { $set: { “tag”: “My number 2 Tweet } })



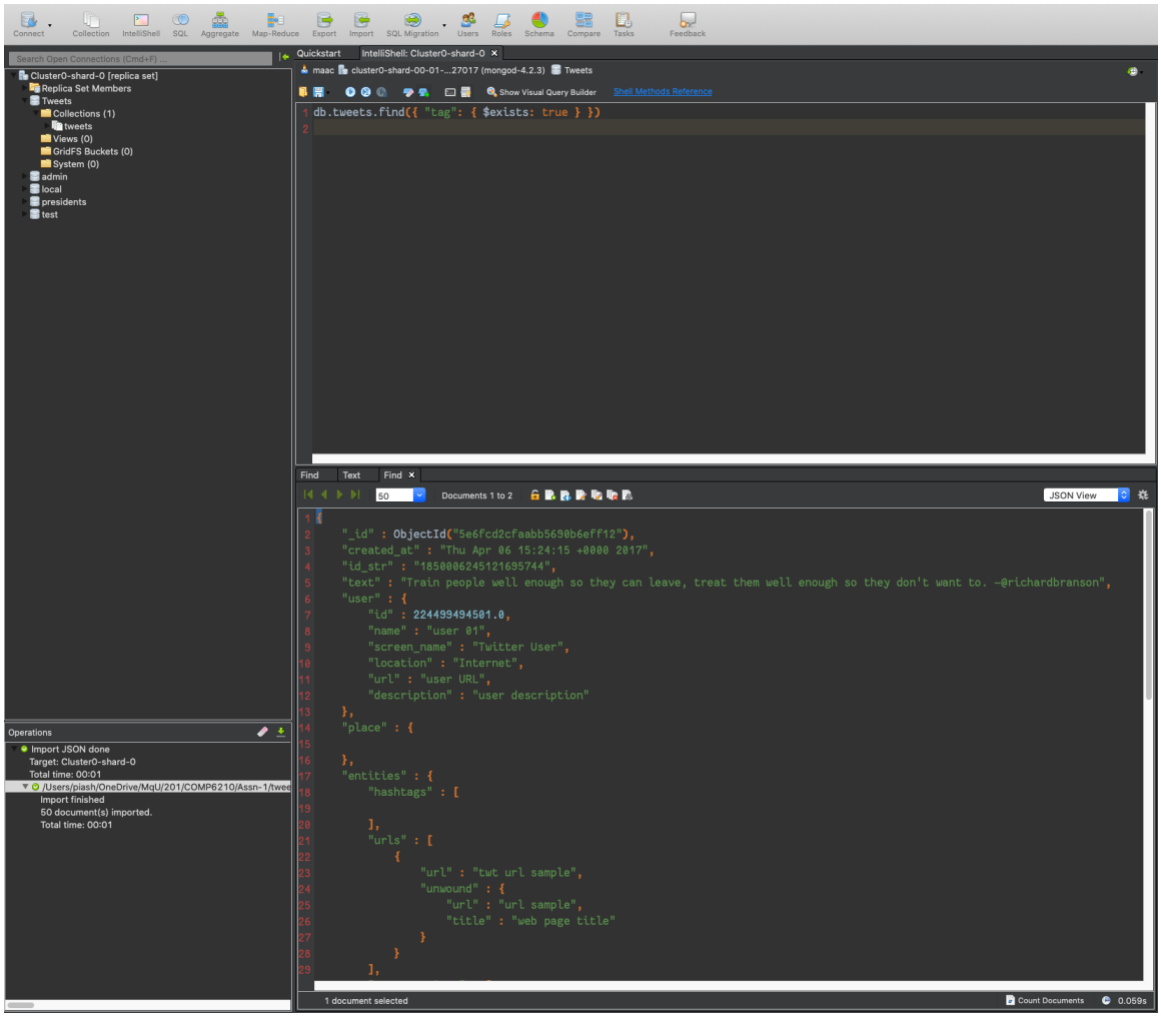
db.tweets.save({ _id: ObjectId(98s98977s089za098098ff12), tag: “My number 1 Tweet” })



Q6) Write a MongoDB query that returns only Tweets that have tags.

Answer:

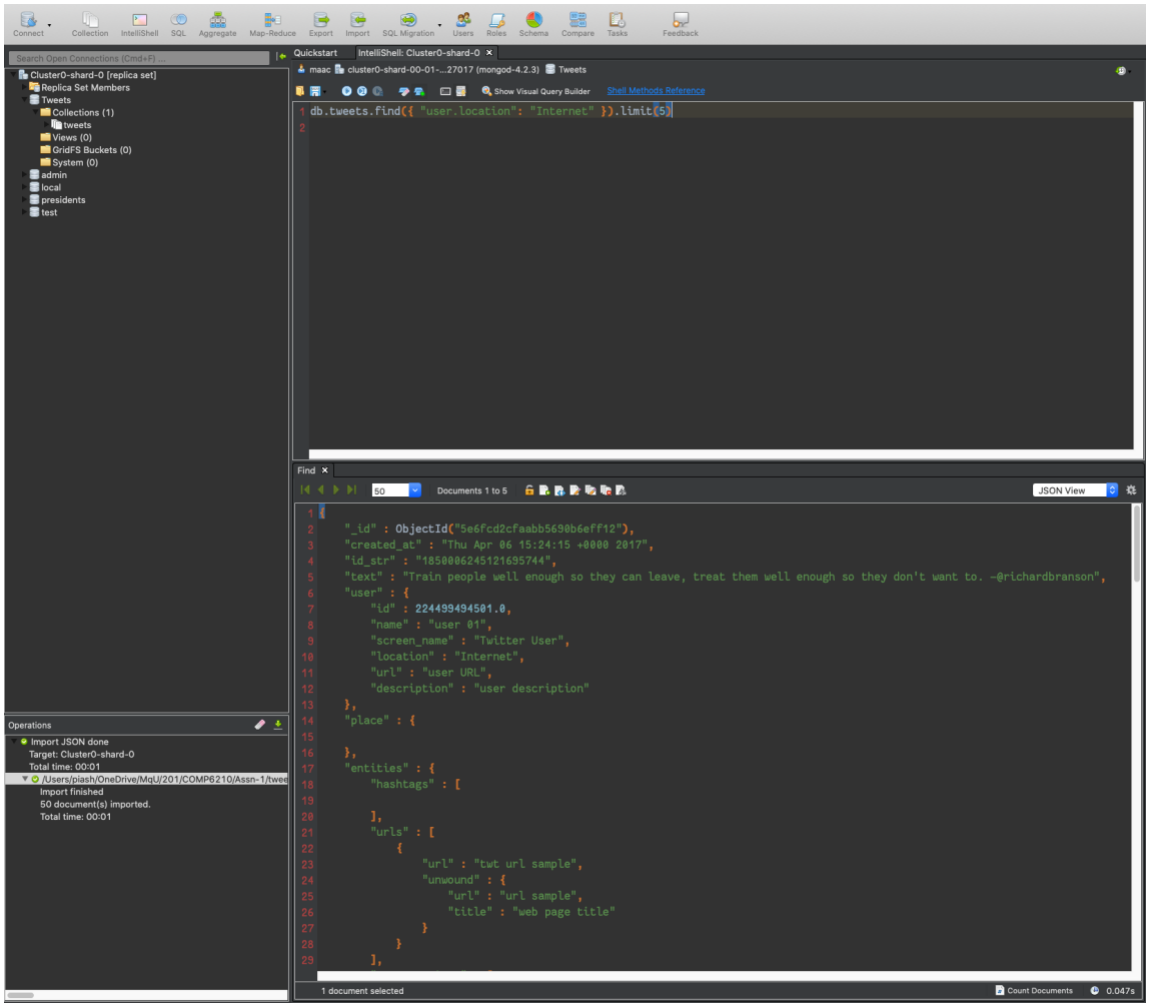
db.tweets.find({ “tag”: { $exists: true } })



Q7) Write a MongoDB query to display the first 5 Tweet which has the location ‘Internet’.

Answer:

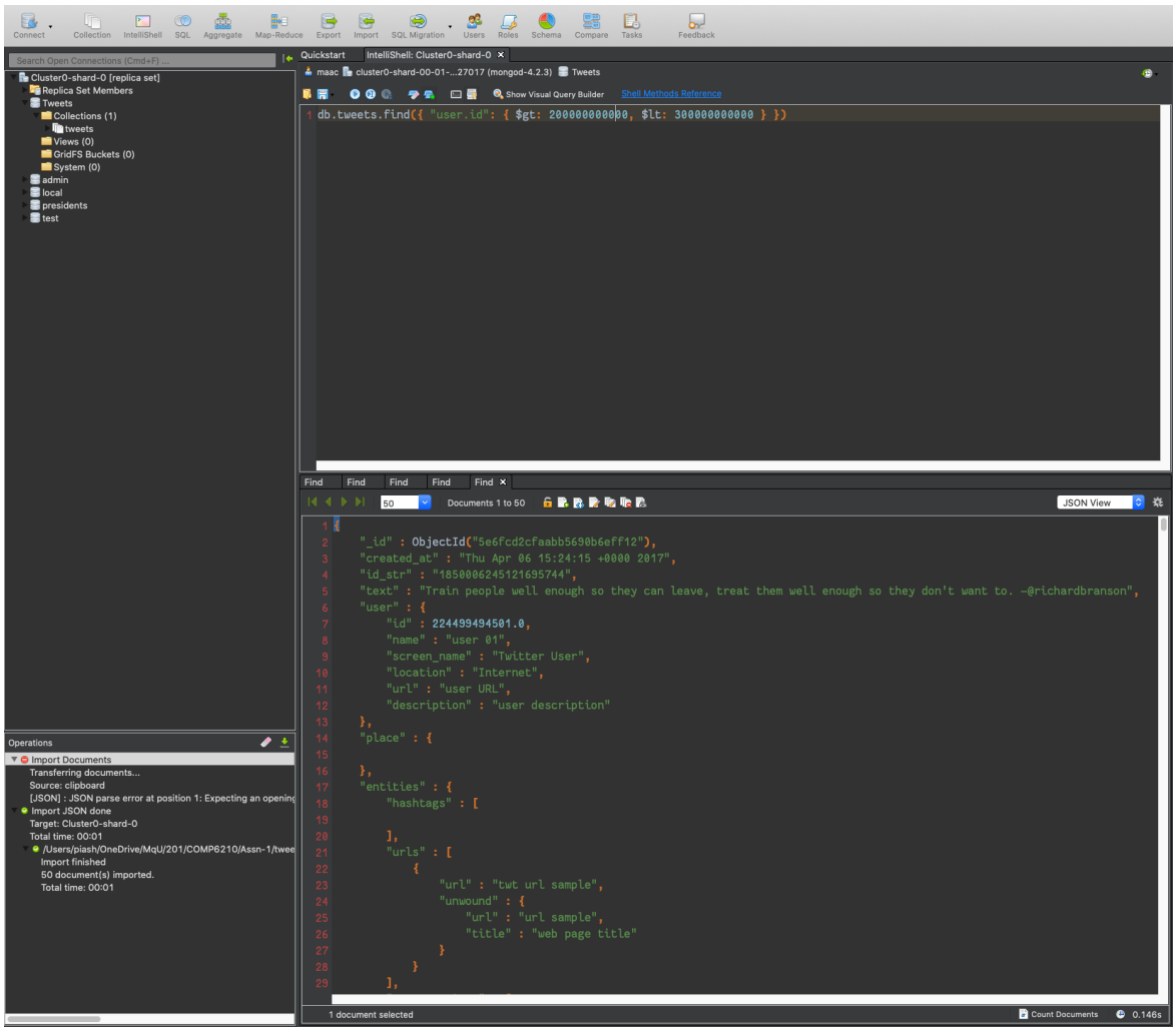
db.tweets.find({ “user.location”: “Internet” }).limit(5)



Q8) Write a MongoDB query to find the Tweets whose id is greater than 200000000000 but less than 300000000000.

Answer:

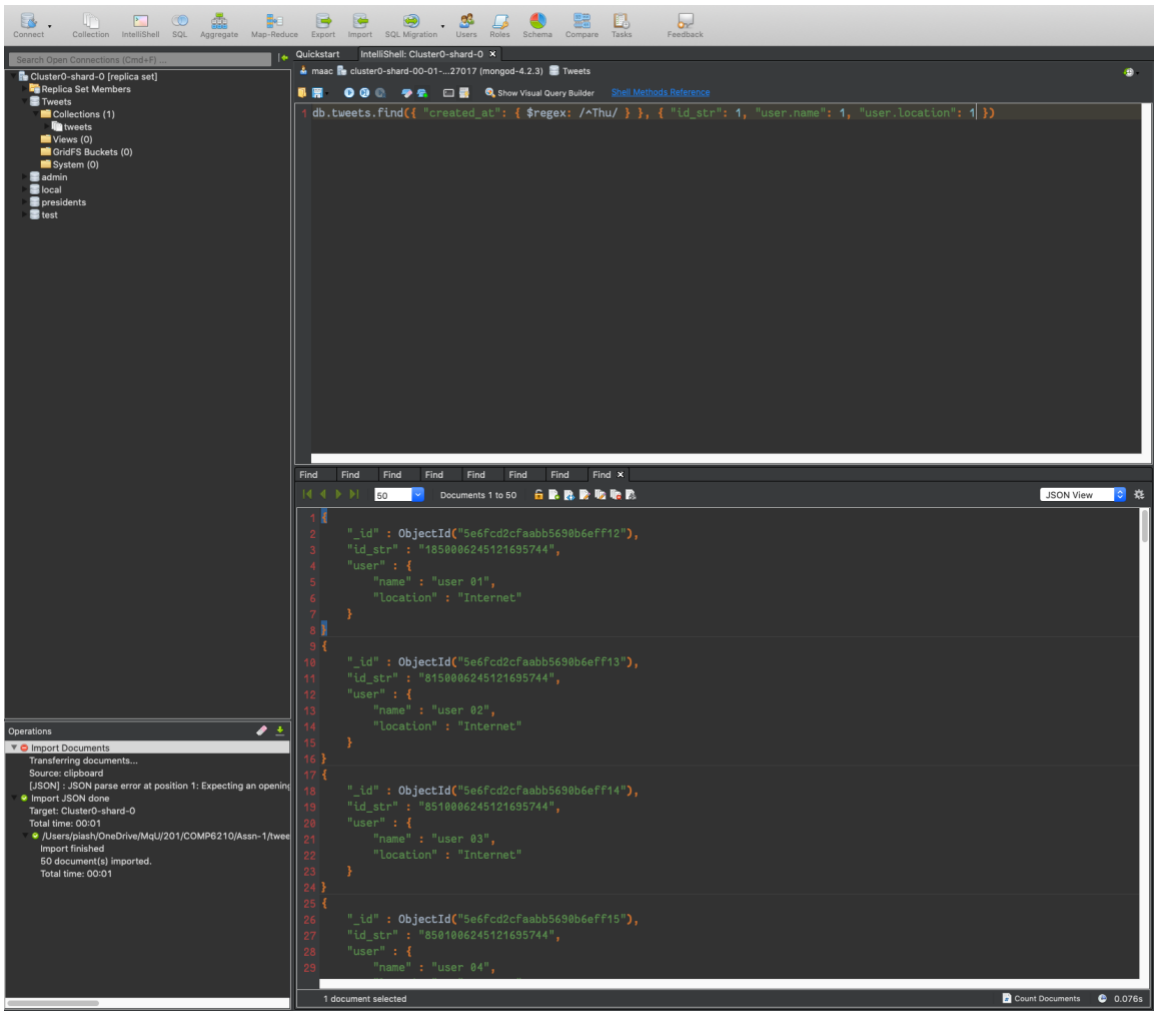
db.tweets.find({ “user.id”: { $gt: 200000000000, $lt: 300000000000 } })



9) Write a MongoDB query to find the Tweet Id, name and location for those Tweets which contain 'Thu' as first three letters for its ‘created_at’.

Answer:

db.tweets.find({ “created_at”: { $regex: /^Thu/ } }, { “id_str”: 1, “user.name”: 1, “user.location”: 1 })



Q10) Write a MongoDB query to find the Tweet Id for those Tweets which contain the keyword ‘health’ in their text.

Answer:

db.tweets.find({ “text”: { $regex: /.*health*./ } }, { “id_str”: 1 })