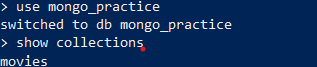
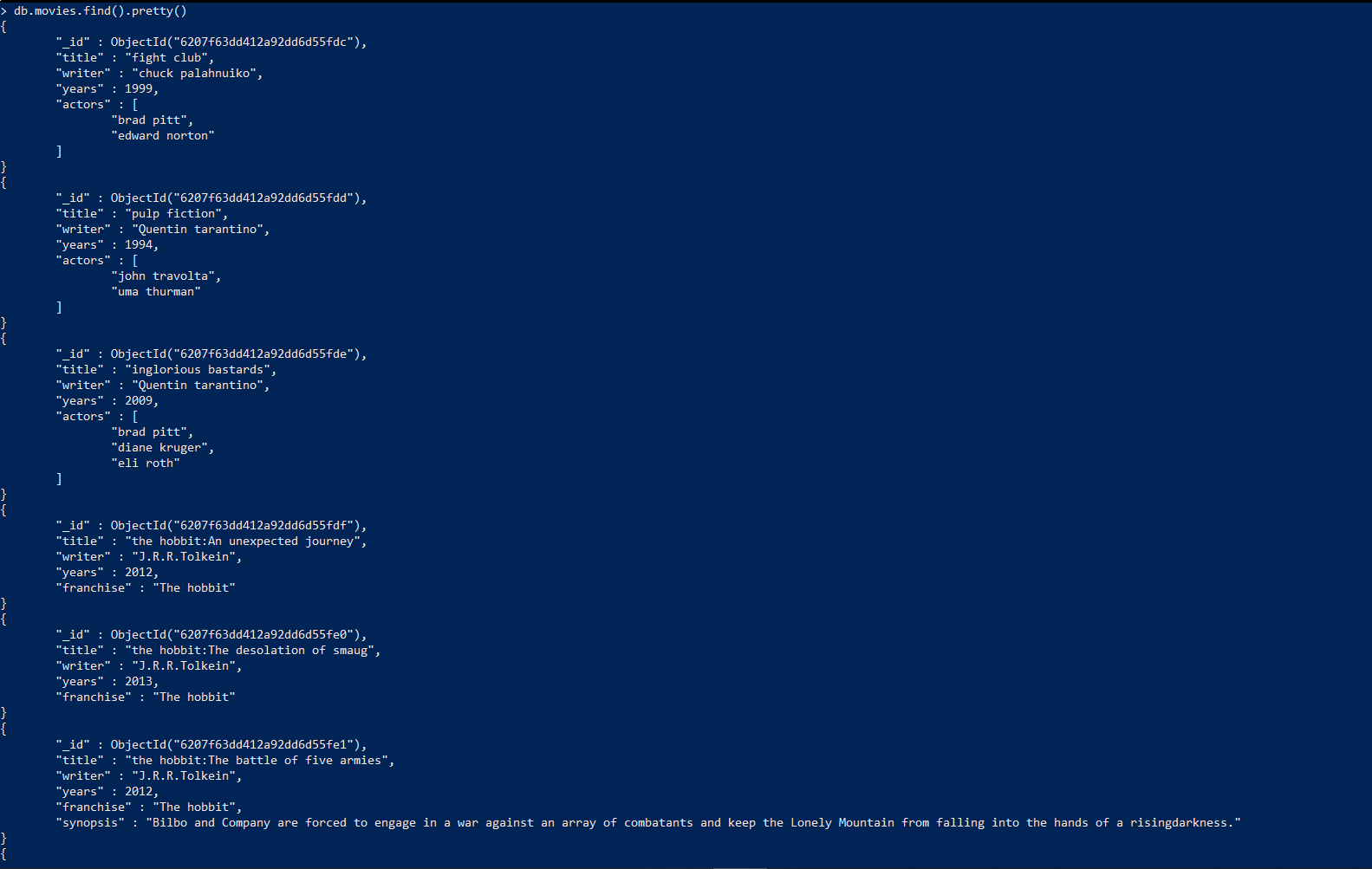
1. Connect to a running mongo instance, use a database named mongo\_practice

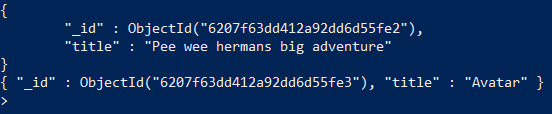


Query /

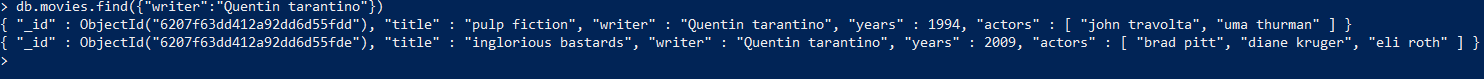
Find Documents query the movies collection to

1. get all documents

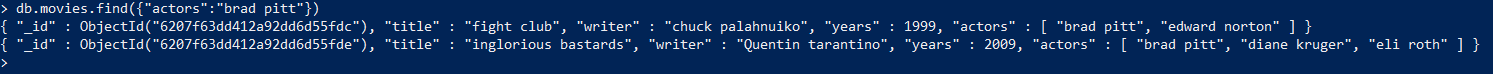




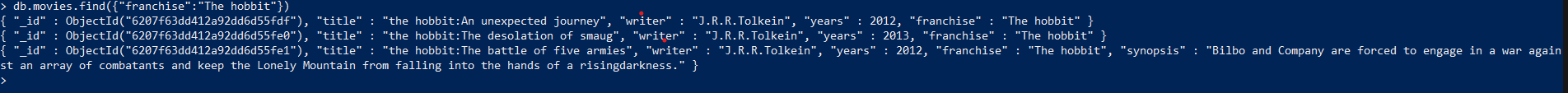
1. get all documents with writer set to "Quentin Tarantino"



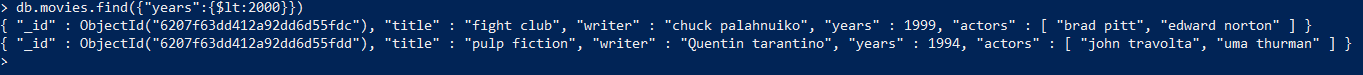
1. get all documents where actors include "Brad Pitt”



1. get all documents with franchise set to "The Hobbit"



1. get all movies released in the 90s



1. get all movies released before the year 2000 or after 2010



Update Documents

1. add a synopsis to "The Hobbit: An Unexpected Journey" : "A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug."



1. add a synopsis to "The Hobbit: The Desolation of Smaug" : "The dwarves along with Bilbo Baggins and Gandalf the Grey continue their quest to reclaim Erebor their homeland from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring."

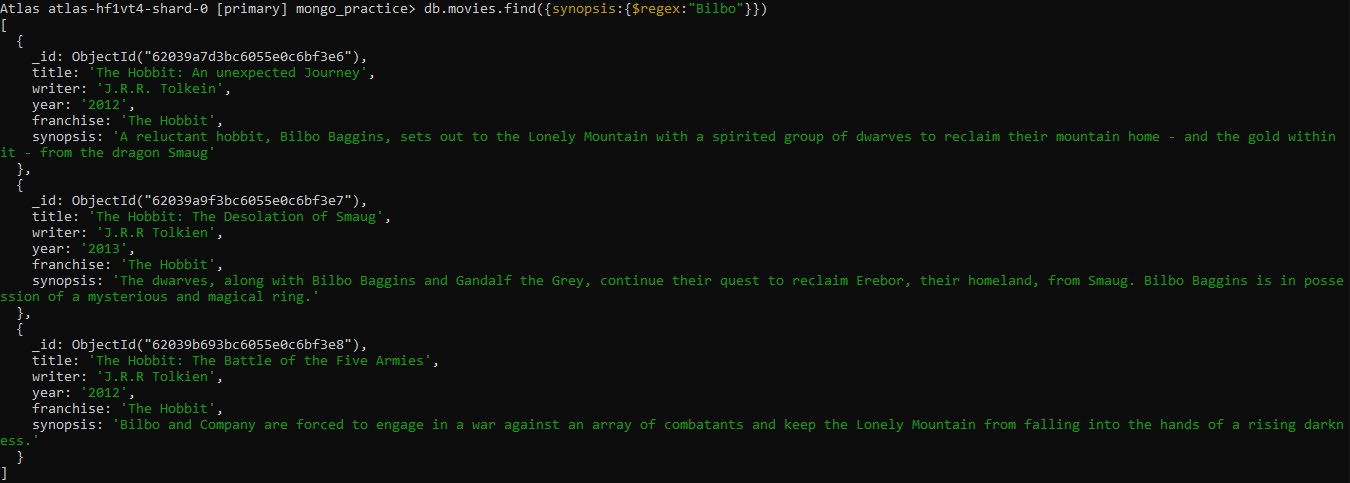


1. add an actor named "Samuel L. Jackson" to the movie "Pulp Fiction

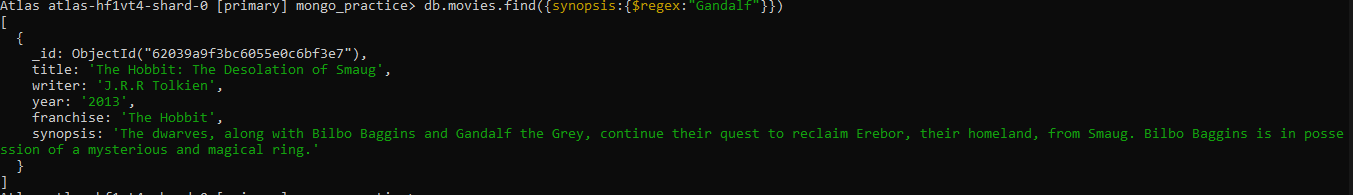
db.movies.update({title: "Pulp Fiction"}, {$push: {actors: "Samuel L. Jackson"}})

Text Search

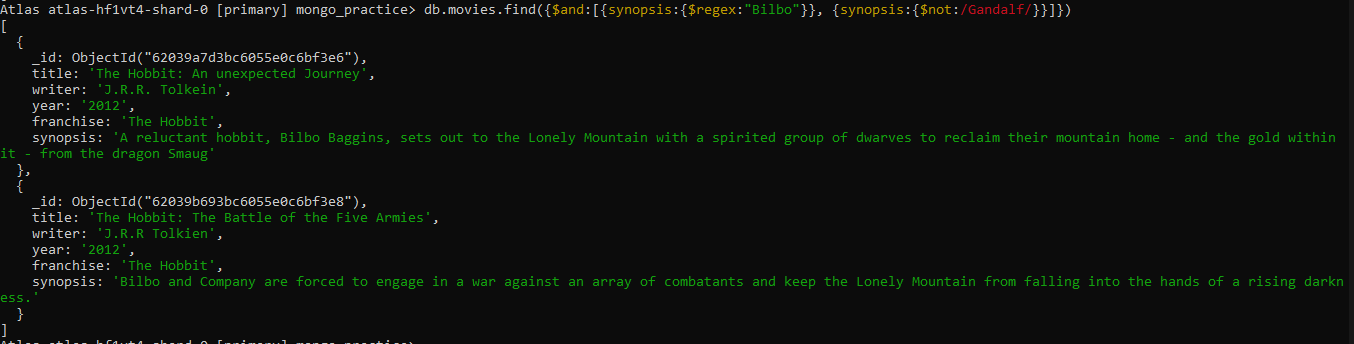
1. find all movies that have a synopsis that contains the word "Bilbo



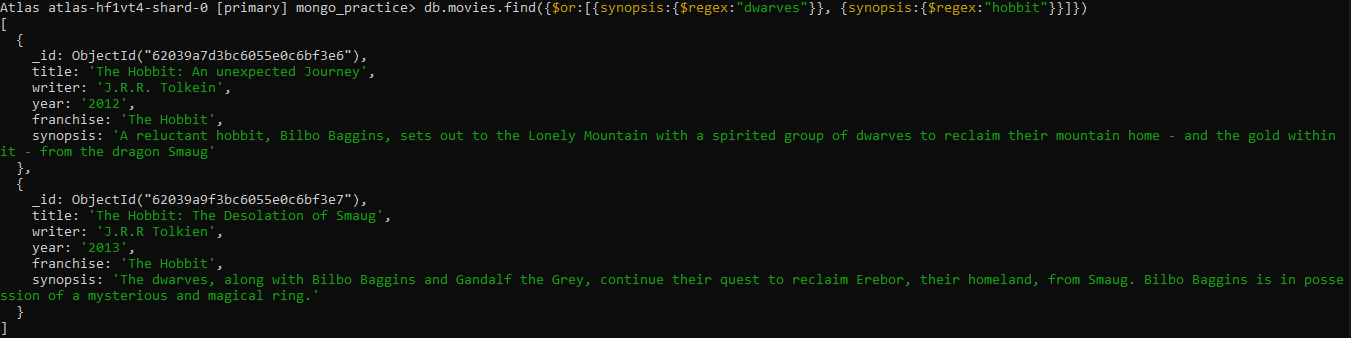
1. find all movies that have a synopsis that contains the word "Gandalf"



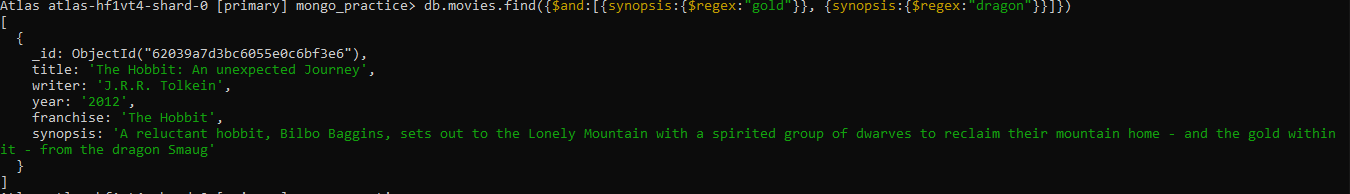
1. find all movies that have a synopsis that contains the word "Bilbo" and not the word "Gandalf"



1. find all movies that have a synopsis that contains the word "dwarves" or "hobbit"



1. find all movies that have a synopsis that contains the word "gold" and "dragon"



**Delete Documents**

1. Delete the movie "Pee Wee Herman's Big Adventure"

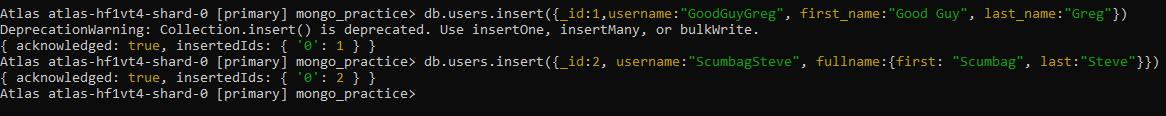


1. delete the movie "Avatar"



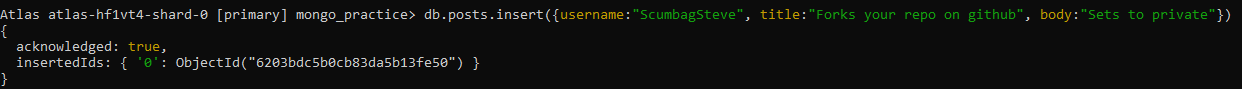
Relationships

1. Insert the following documents into a users collection

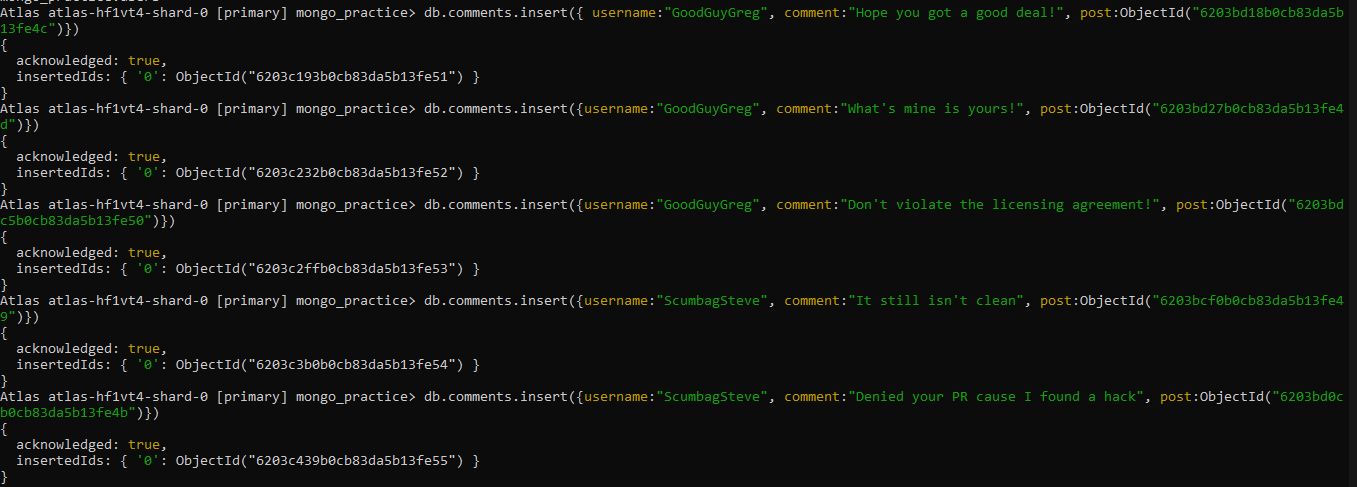


1. Insert the following documents into a posts collection



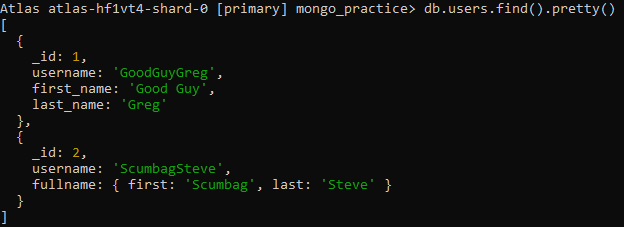


1. Insert the following documents into a comments collection

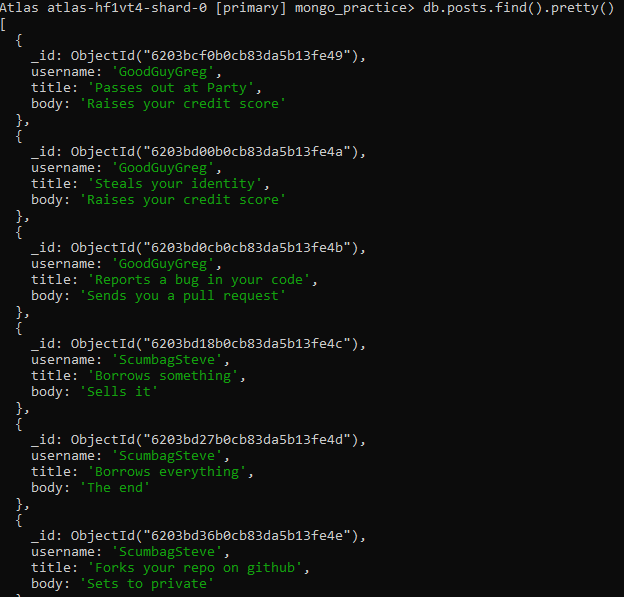


Querying related collections

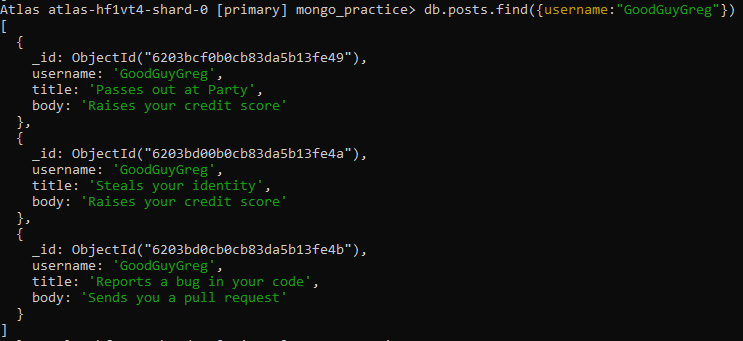
1. Find all users



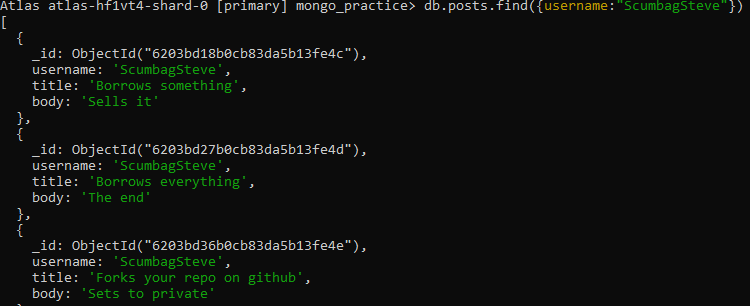
1. find all posts



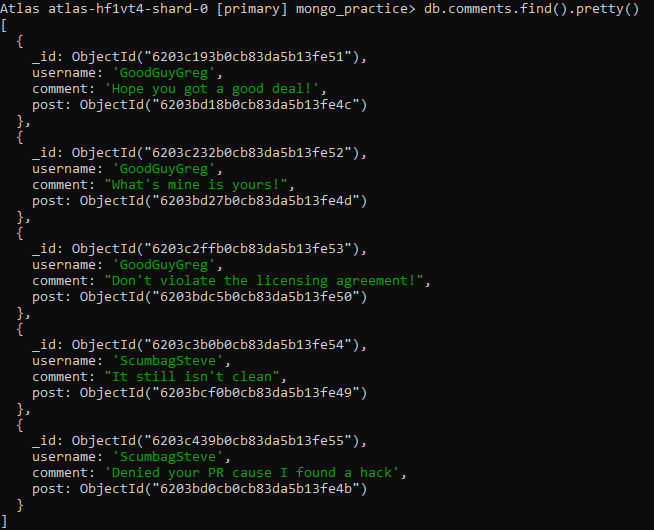
1. find all posts that was authored by "GoodGuyGreg”



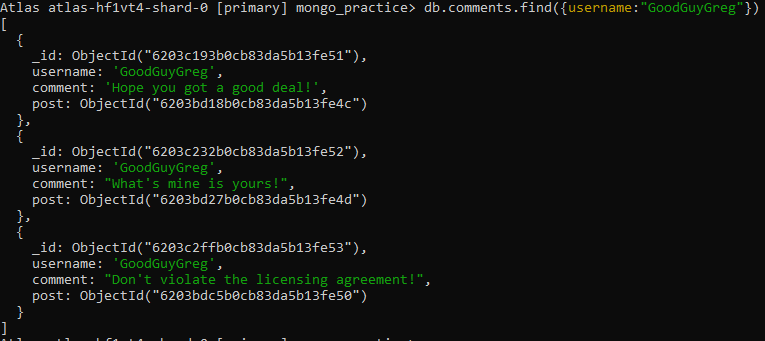
1. find all posts that was authored by "ScumbagSteve”



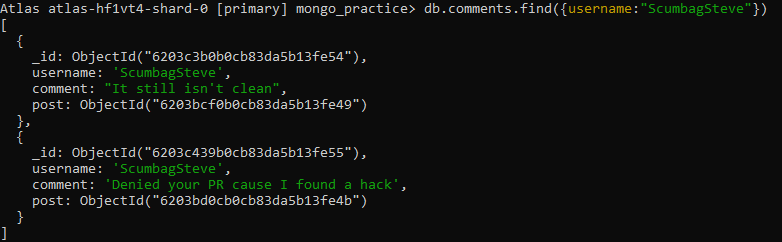
1. find all comments



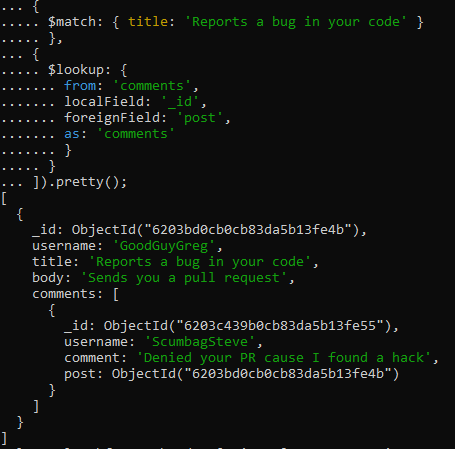
1. find all comments that was authored by "GoodGuyGreg"



1. find all comments that was authored by "ScumbagSteve"

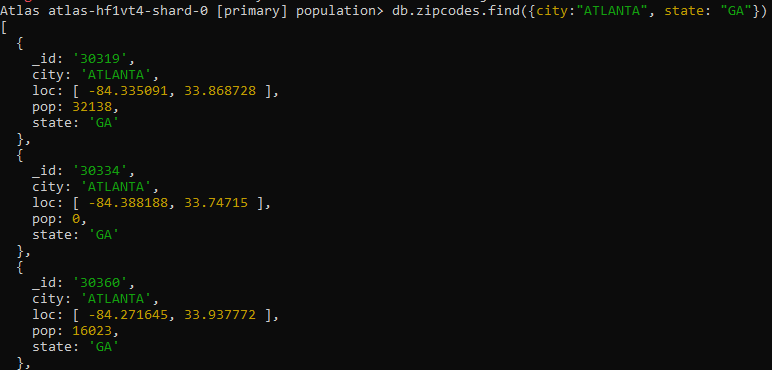


1. find all comments belonging to the post "Reports a bug in your code"

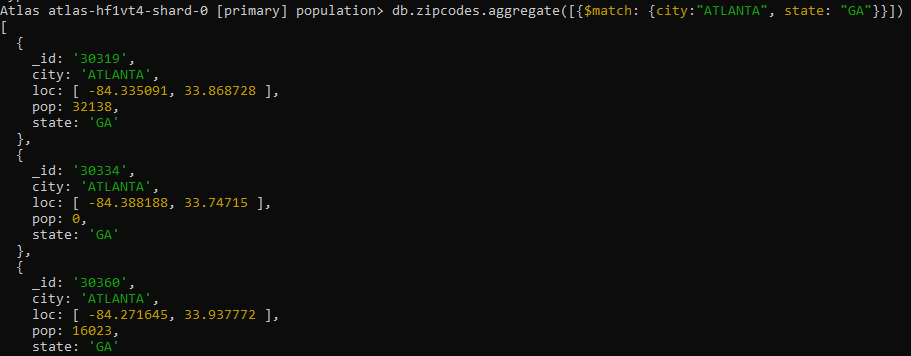


AGGREGATE ASSIGNMENT

use db.zipcodes.find() to filter results to only the results where city is ATLANTA and state is GA

****

use db.zipcodes.aggregate with $match to do the same as above



use $group to count the number of zip codes in Atlanta.

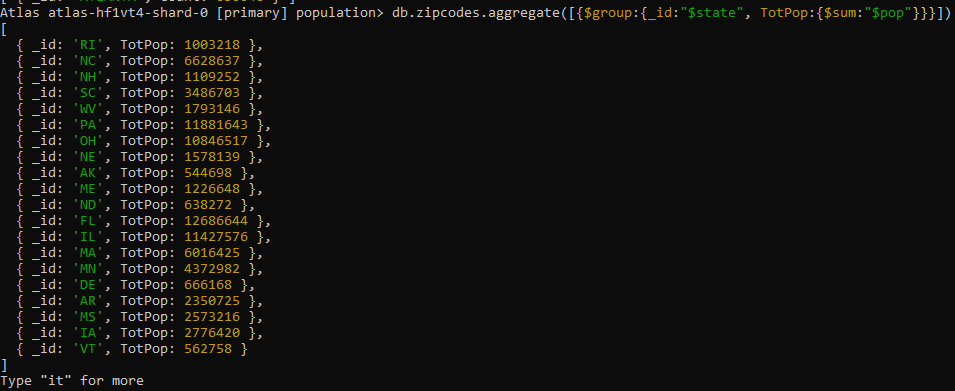


use $group to find the total population in Atlanta.



Populations By State

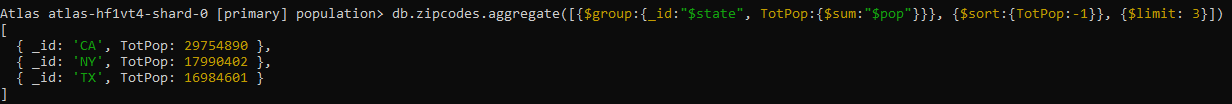
Use aggregate to calculate the total population for each state



sort the results by population, highest first

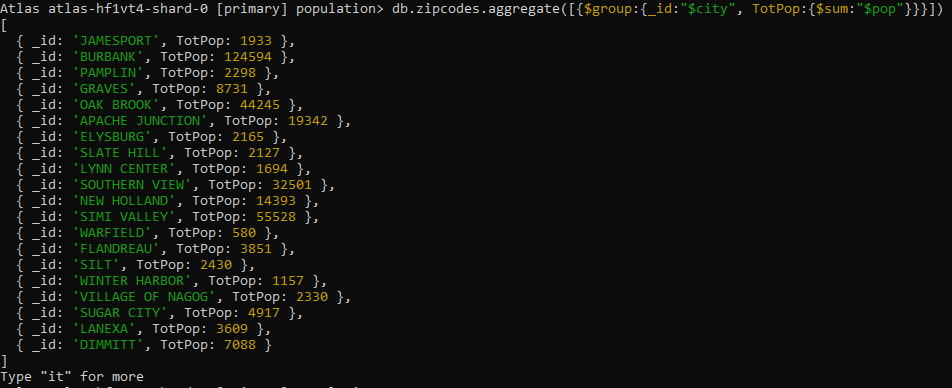


limit the results to just the first 3 results. What are the top 3 states in population



**Populations by City**

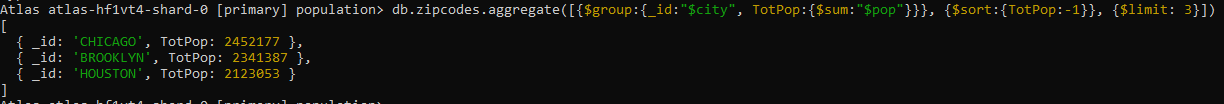
Use aggregate to calculate the total population for each city (you have to use city/state combination). You can use a combination for the \_id of the $group: { city: '$city', state: '$state'}



sort the results by population, highest first



limit the results to just the first 3 results. What are the top 3 cities in population?



What are the top 3 cities in population in Texas?

