**MongoDB Lab Assignments -Day 1**

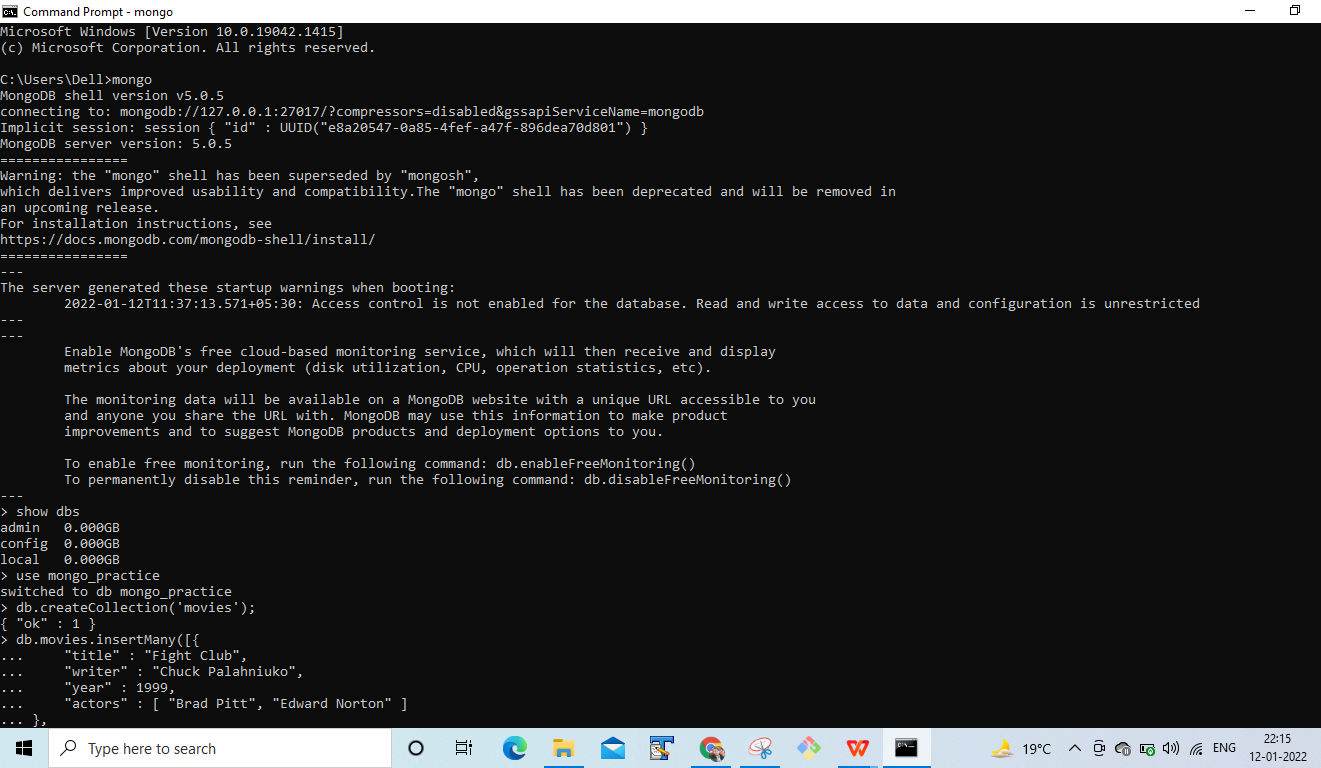
**MongoDB Exercise in mongo shell**

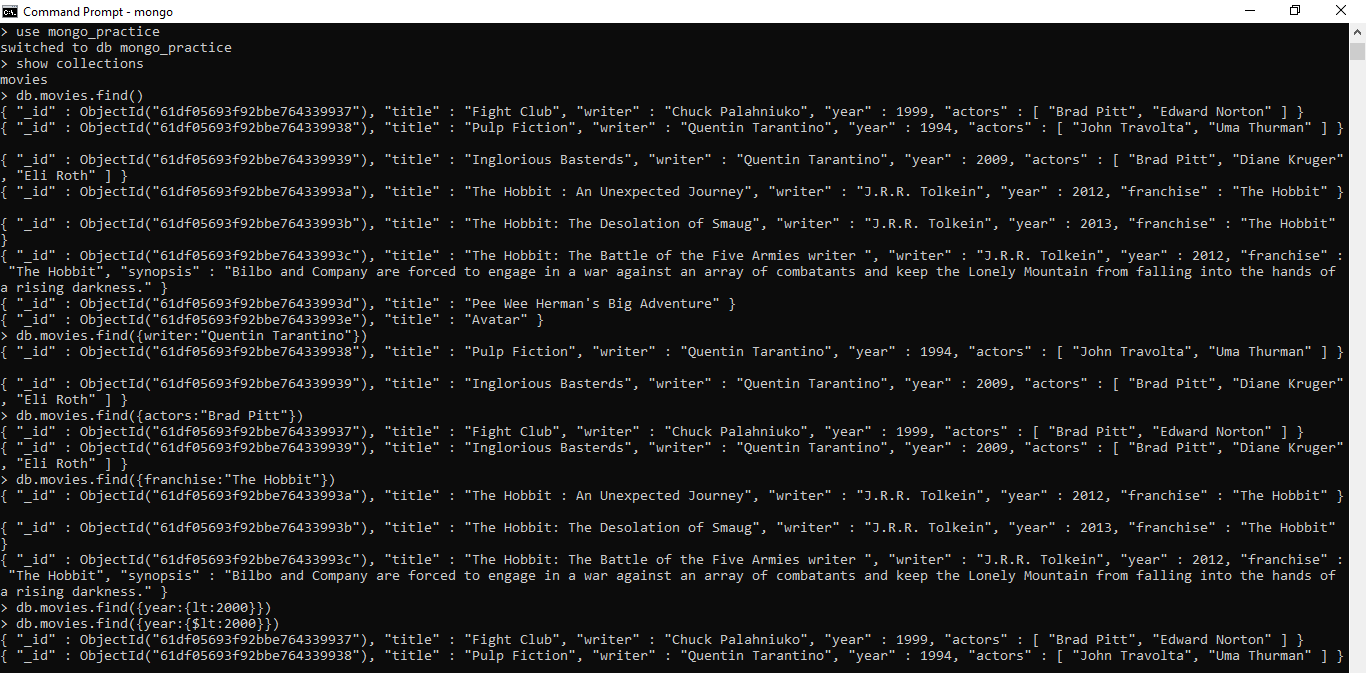
Connect to a running mongo instance, use a database named **mongo\_practice**.

Document all your queries in a javascript file to use as a reference.

**Insert Documents**

Insert the following documents into a **movies** collection.

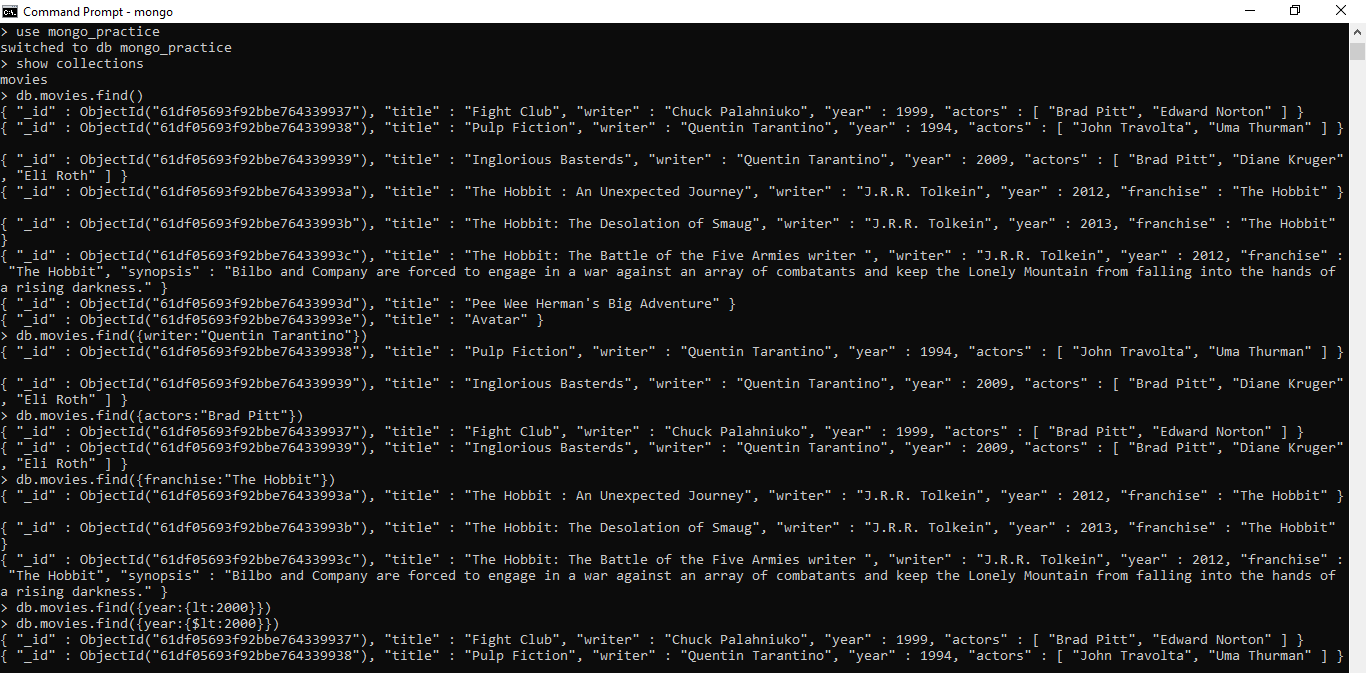




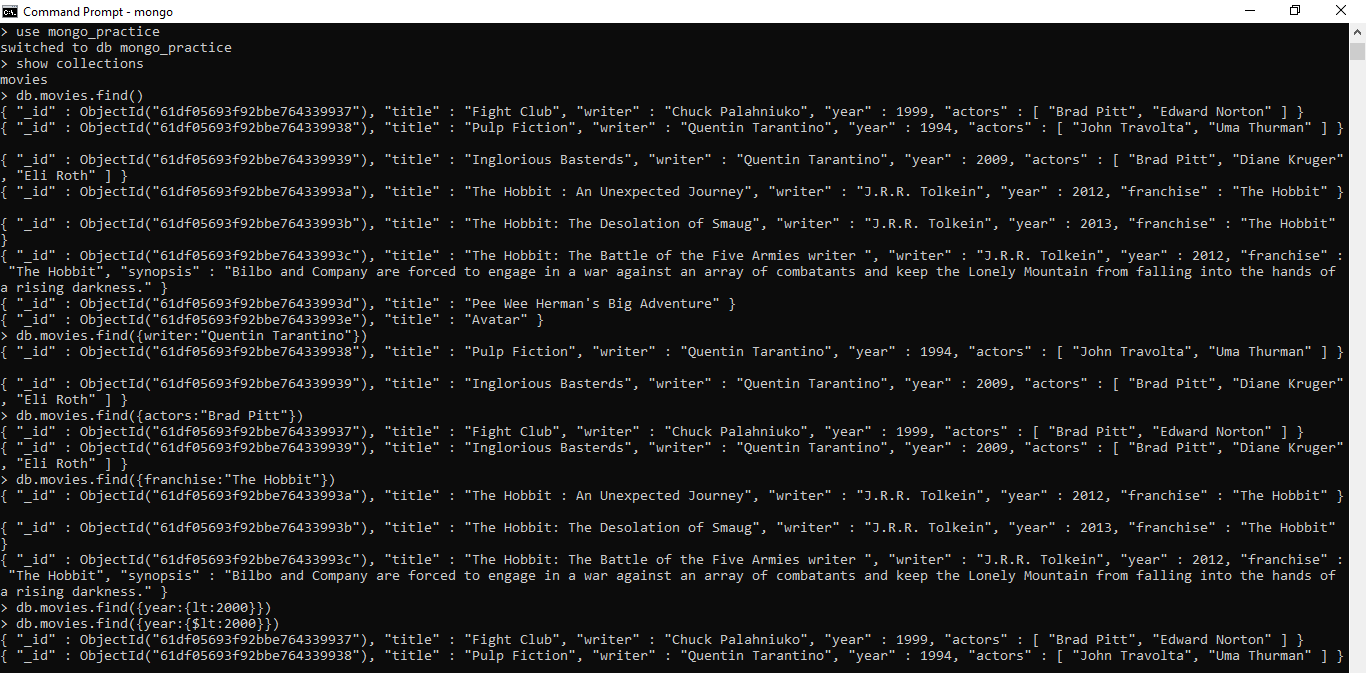
**Query / Find Documents**

query the **movies** collection to

**get all documents**



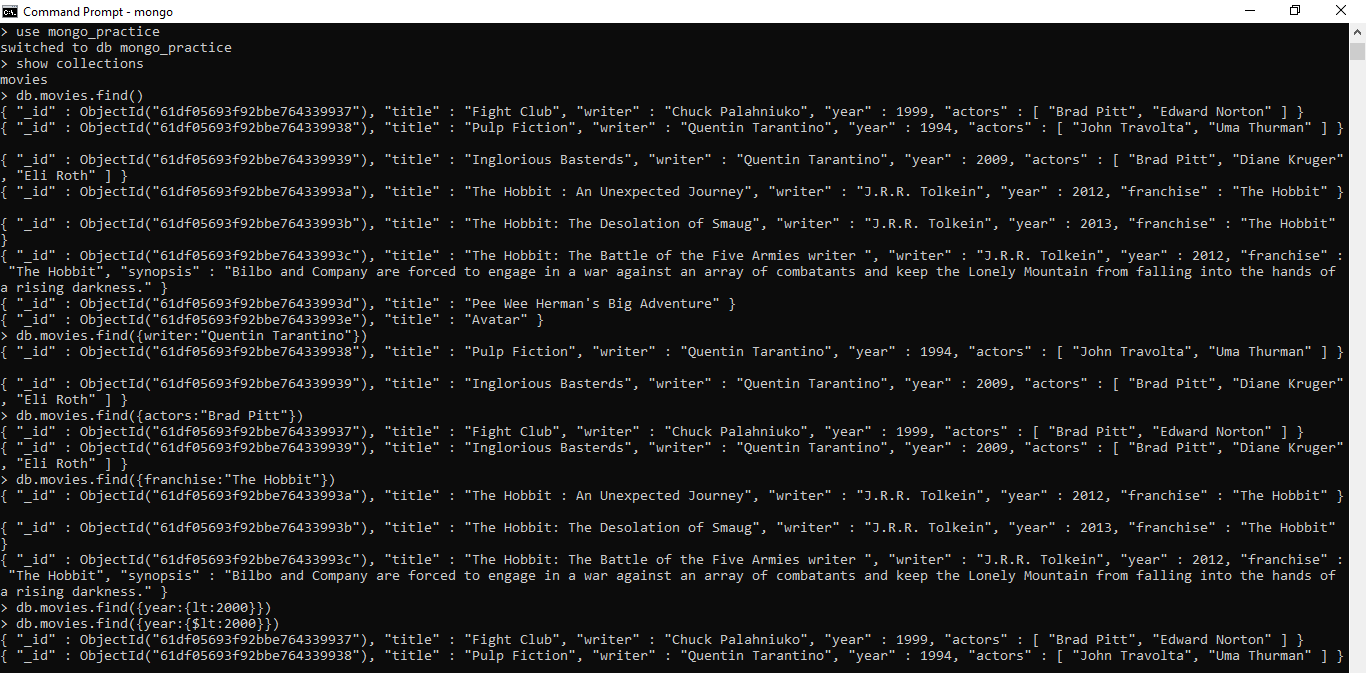
**get all documents with writer set to "Quentin Tarantino"**



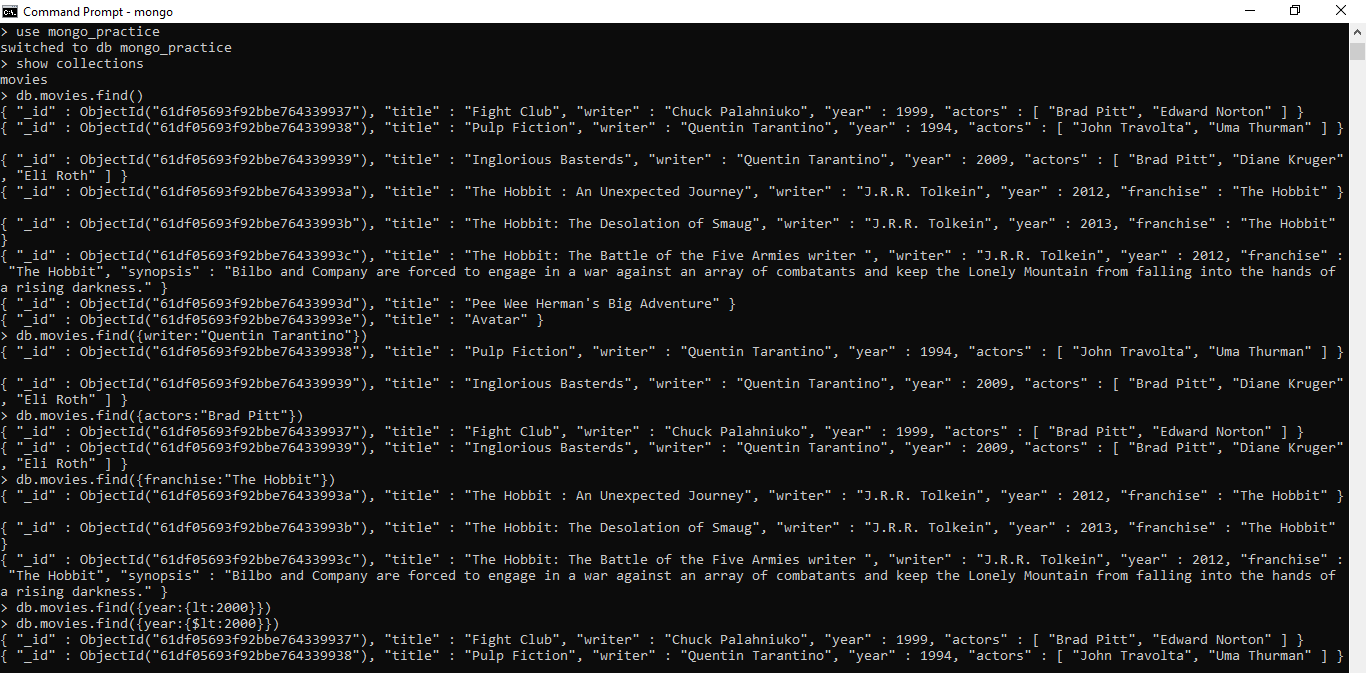
**get all documents where actors include "Brad Pitt"**



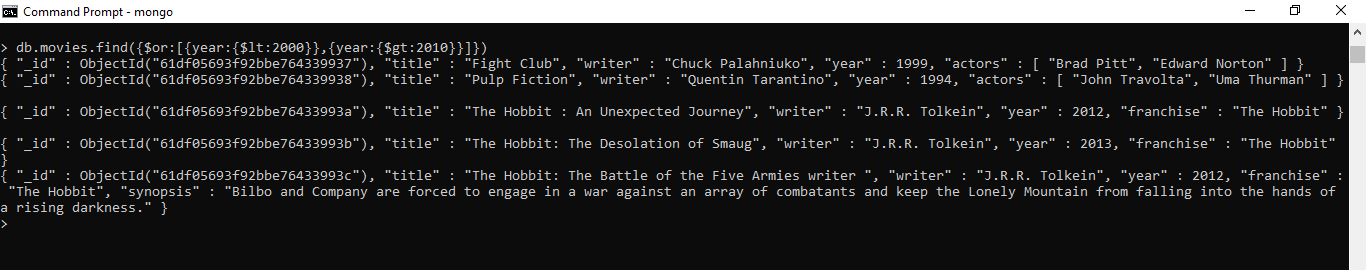
**get all documents with franchise set to "The Hobbit"**



**get all movies released in the 90s**

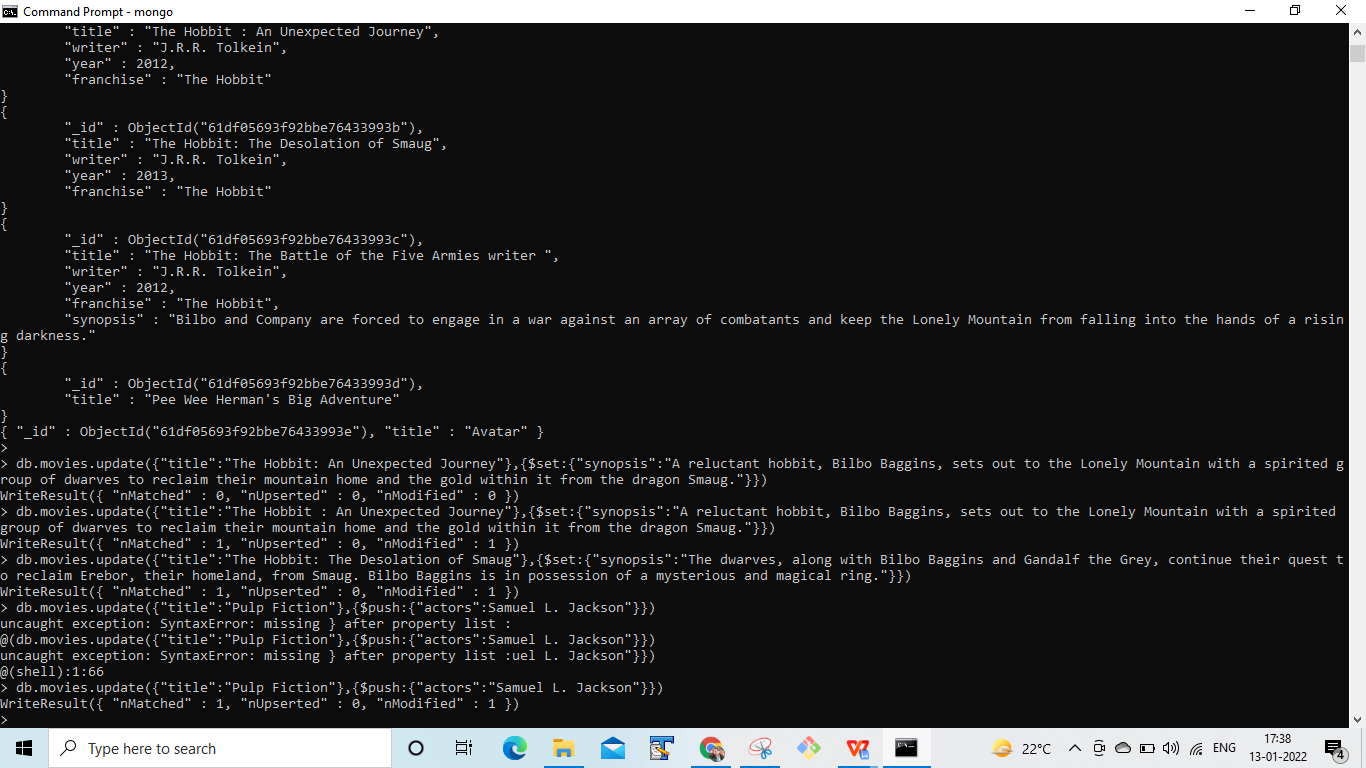


**get all movies released before the year 2000 or after 2010**

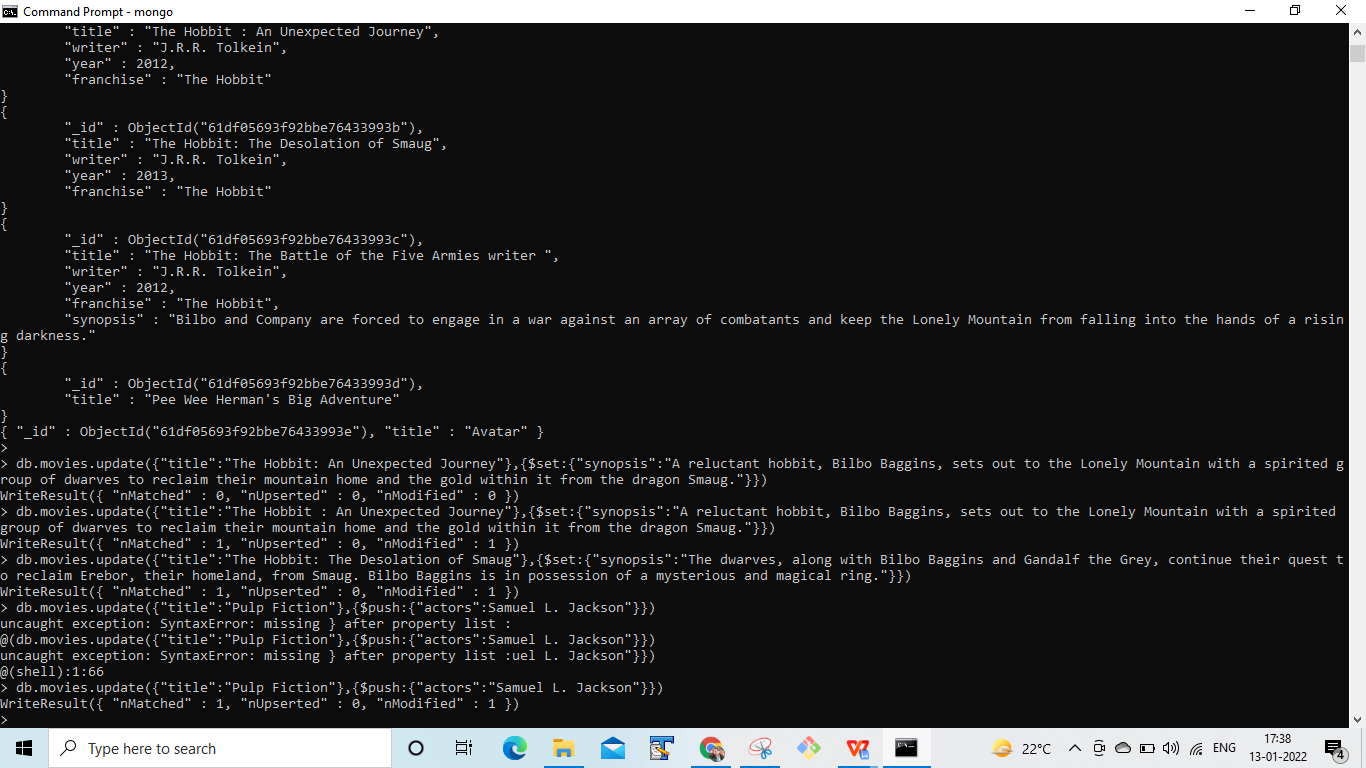


**Update Documents**

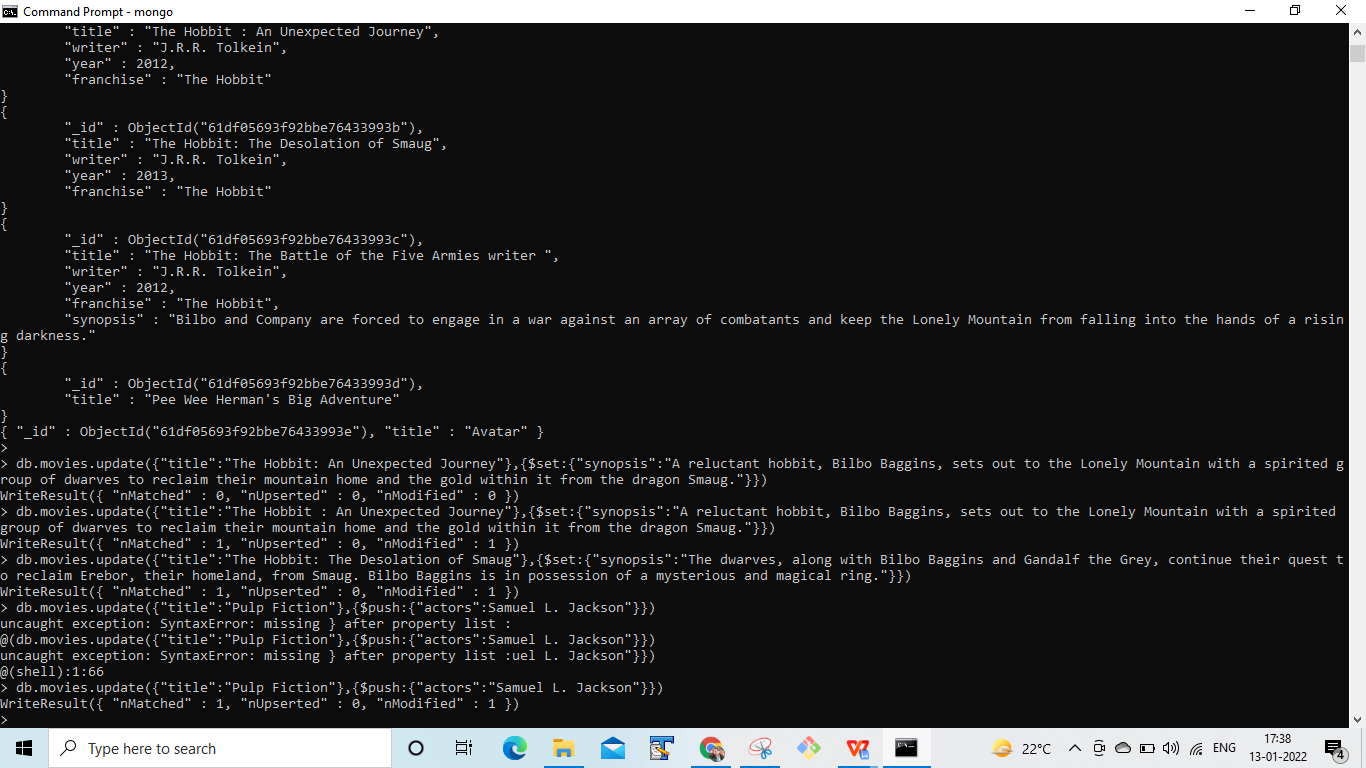
1. add a synopsis to "The Hobbit: An Unexpected Journey" : "A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug."



2. 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."

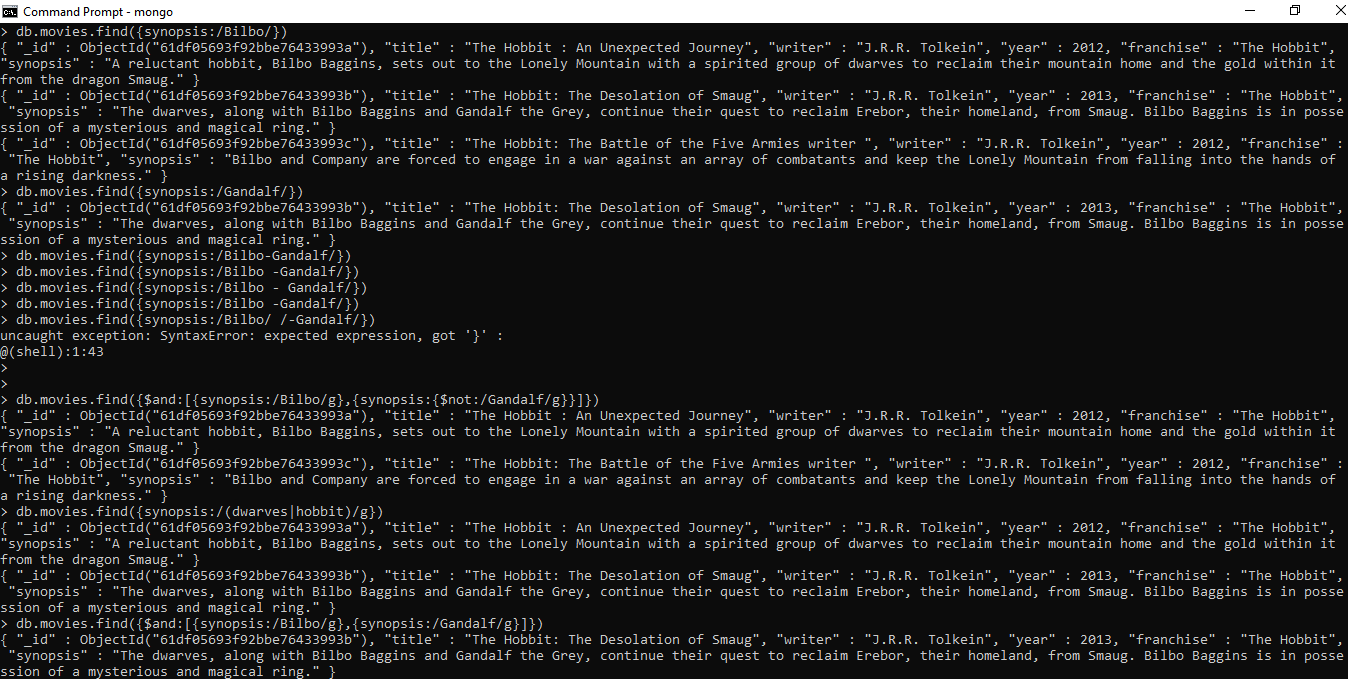


3. add an actor named "Samuel L. Jackson" to the movie "Pulp Fiction"

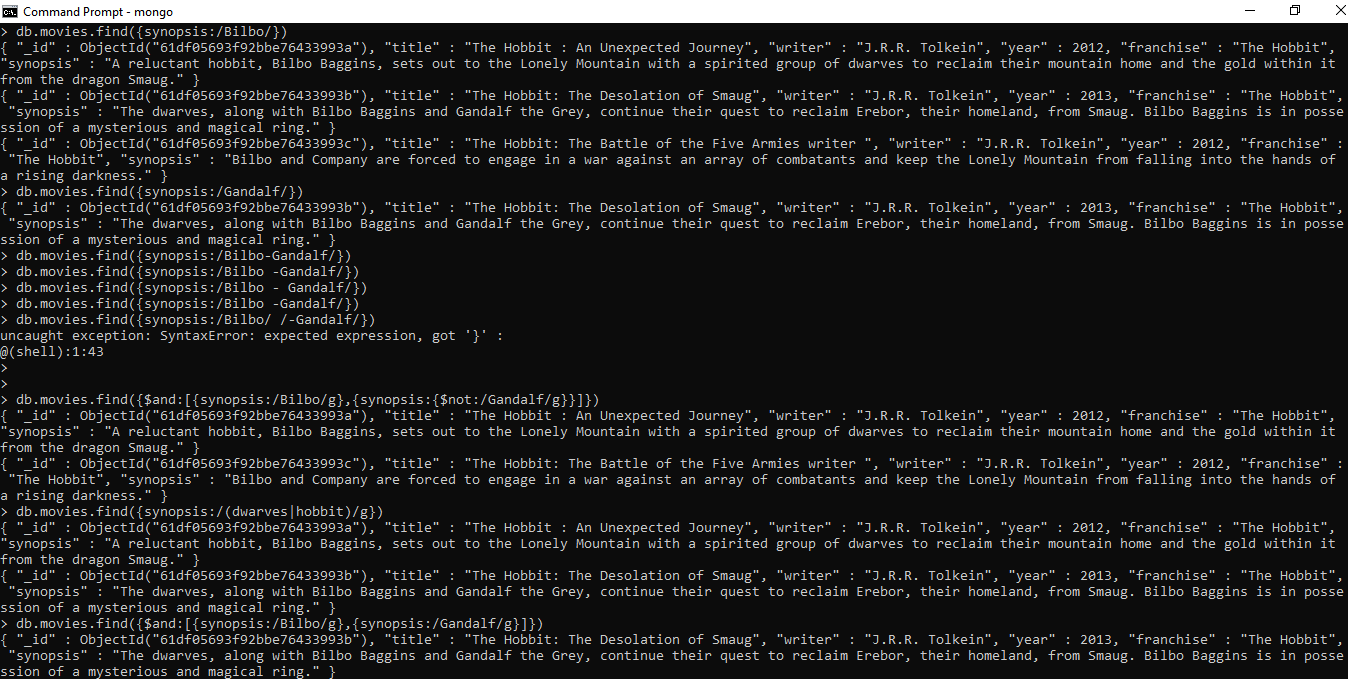


**Text Search**

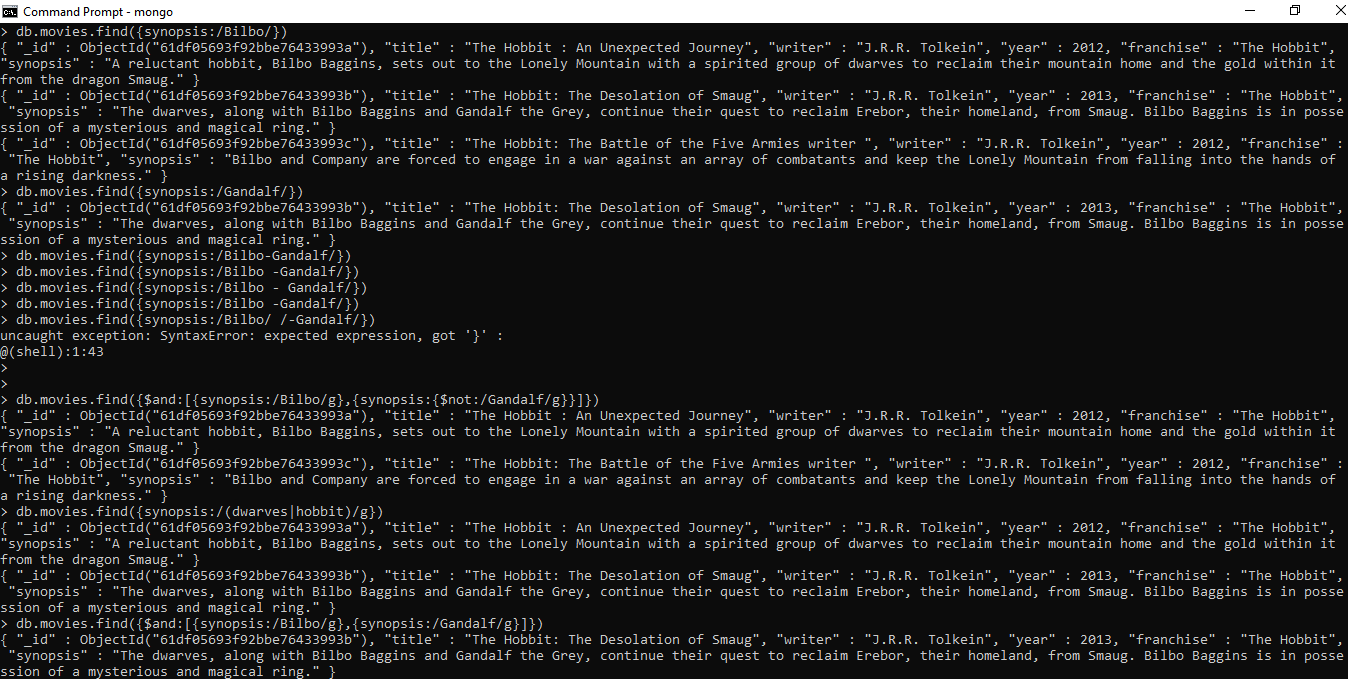
1. find all movies that have a synopsis that contains the word "Bilbo"



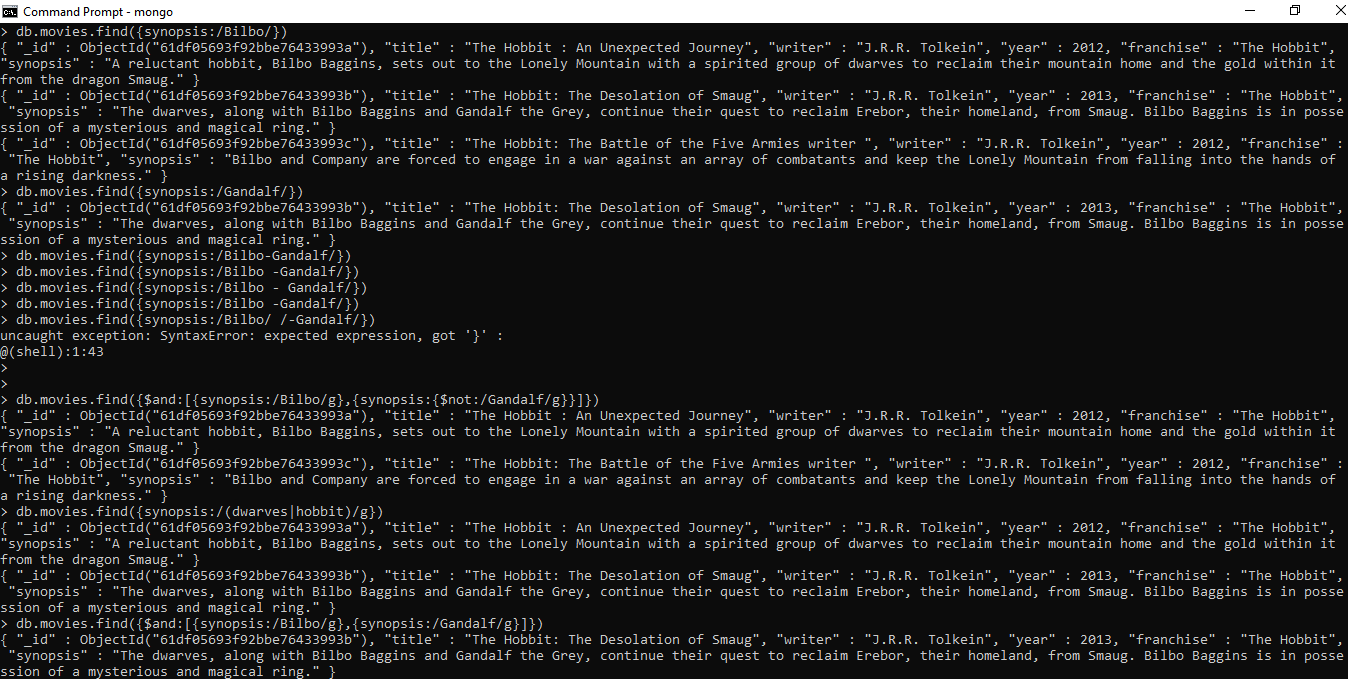
2. find all movies that have a synopsis that contains the word "Gandalf"



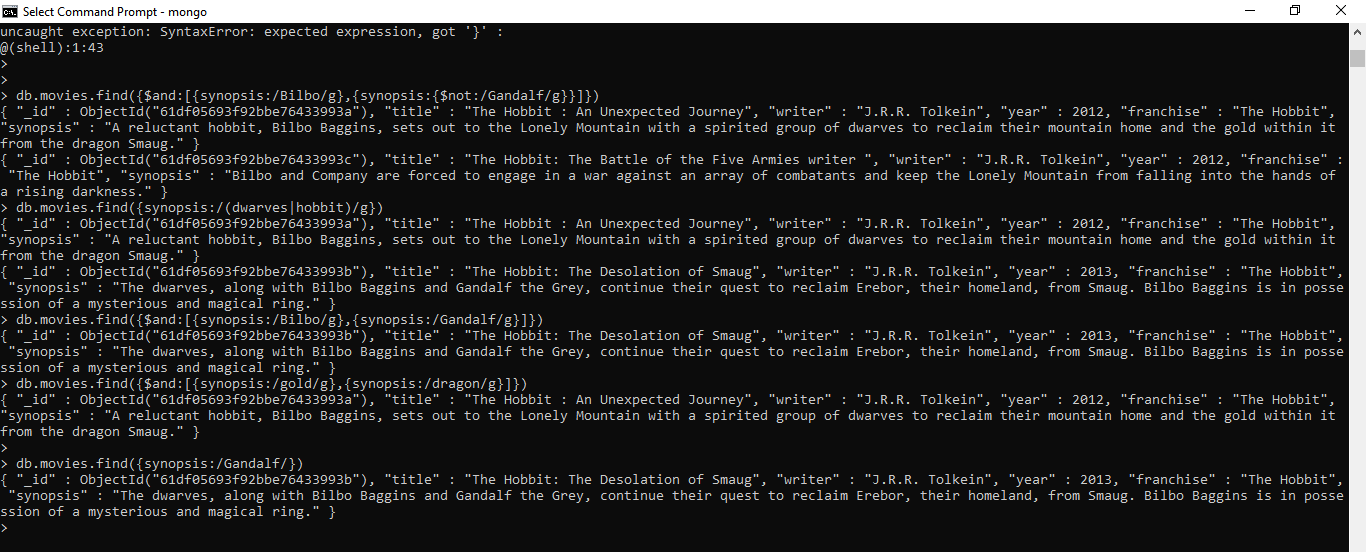
3. find all movies that have a synopsis that contains the word "Bilbo" and not the word "Gandalf"



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

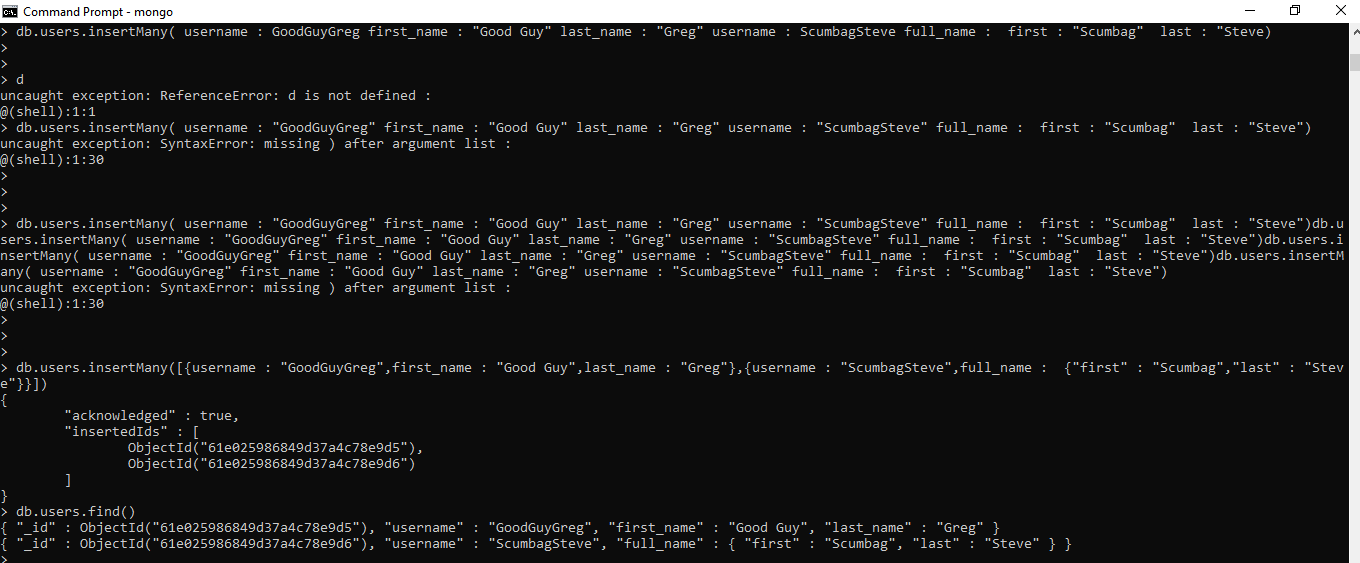


5. find all movies that have a synopsis that contains the word "gold" and "dragon"

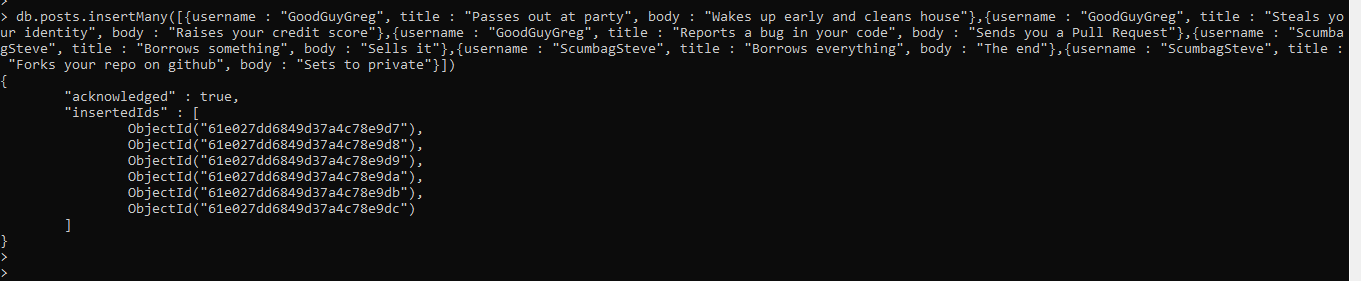


**Relationships**

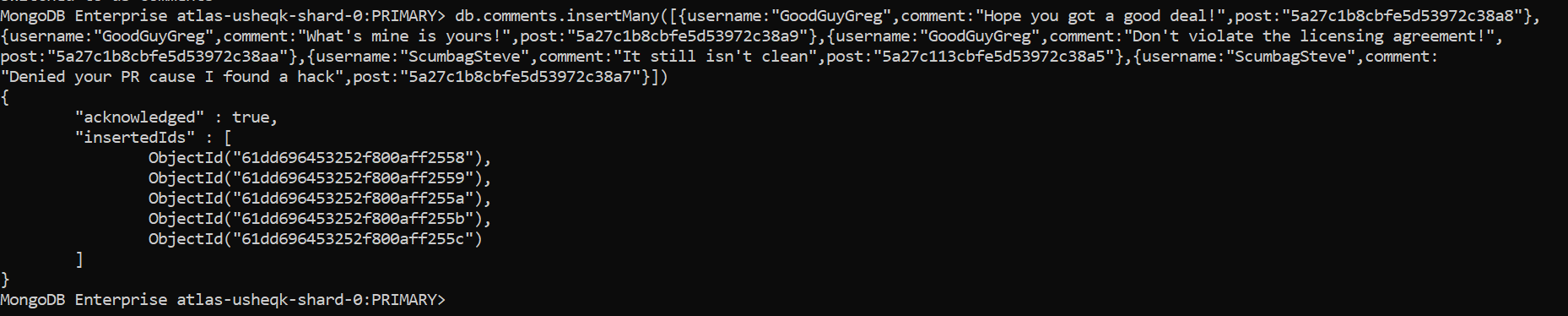
Insert the following documents into a **users** collection



Insert the following documents into a **posts** collection

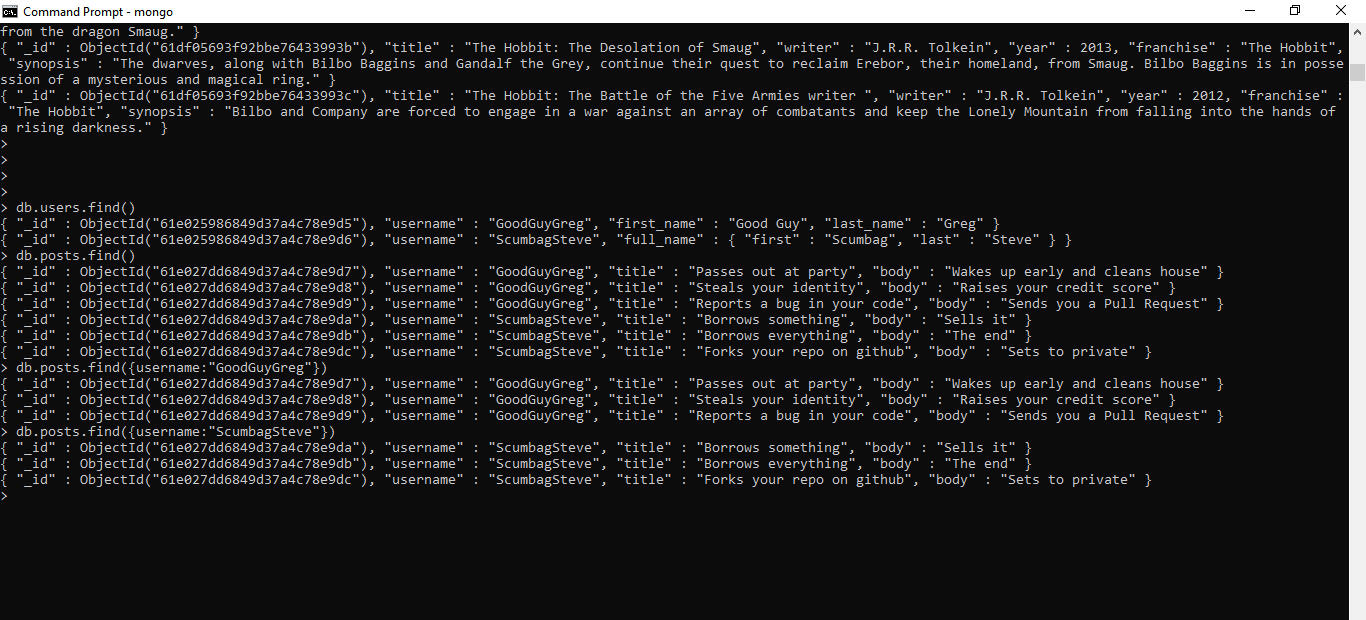


Insert the following documents into a comments collection

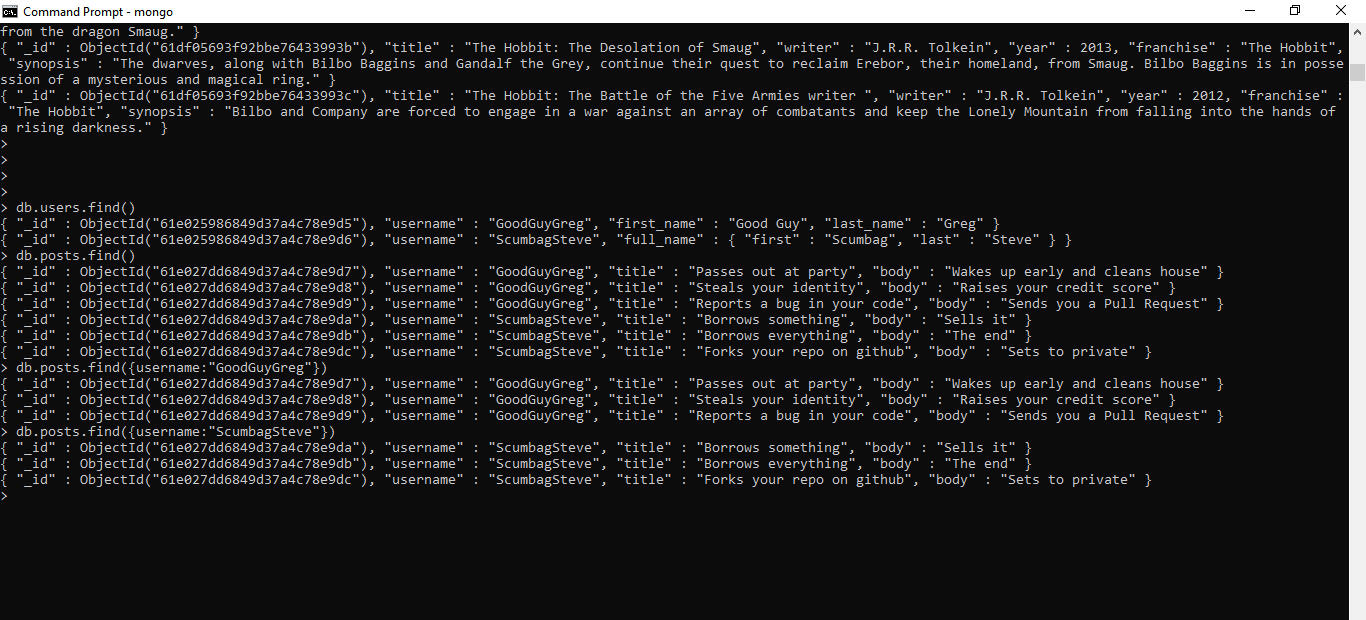


**Querying related collections**

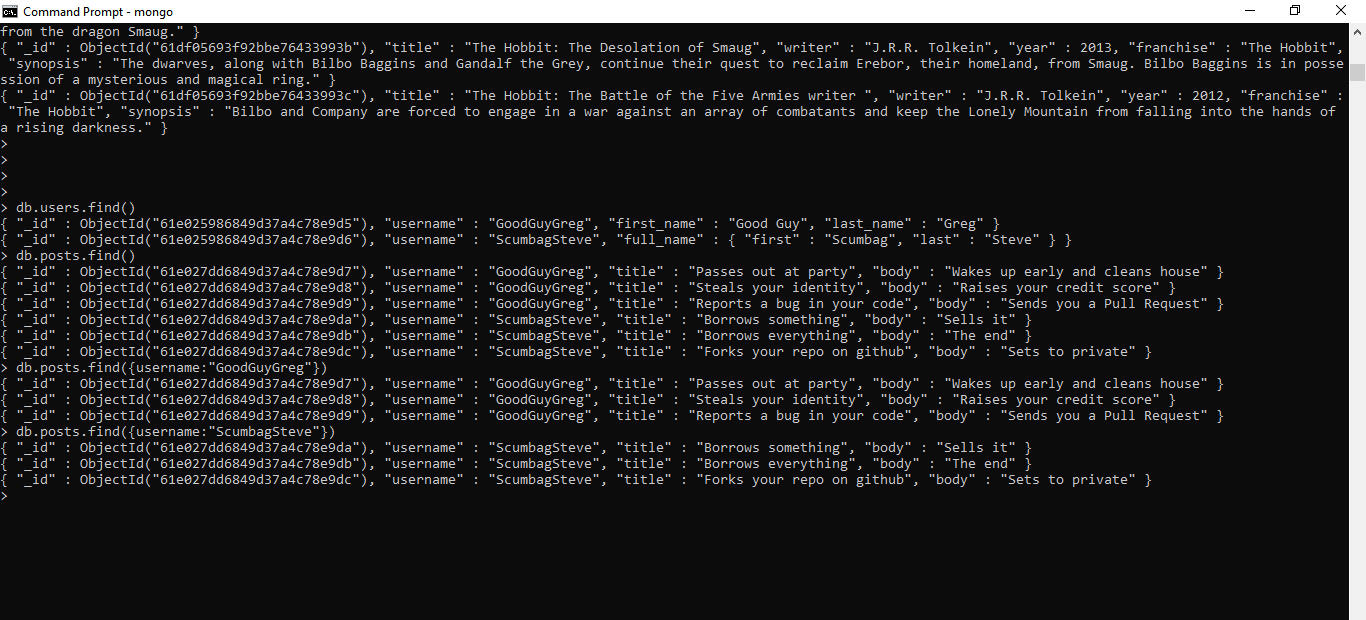
1. find all users



1. find all posts



3. find all posts that was authored by "GoodGuyGreg"



4. find all posts that was authored by "ScumbagSteve"

