Assignment 1

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.

Text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Insert Documents

Creating a collection named ‘movies’

Text

Description automatically generated with medium confidence

Insert the following documents into a movies collection.

Text

Description automatically generated

Text

Description automatically generated

Displaying all the inserted fields in collection.

Text

Description automatically generated

Query / Find Documents

query the movies collection to

1. get all documents

Text

Description automatically generated

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

result::

Text

Description automatically generated

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

result::

Text

Description automatically generated

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

Text

Description automatically generated

1. get all movies released in the 90s

Text

Description automatically generated

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

Text

Description automatically generated

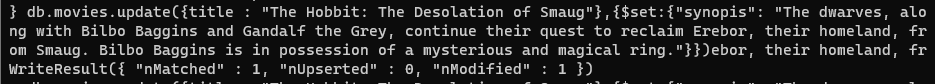
Update Documents

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."

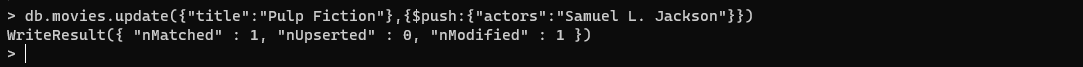
Text

Description automatically generated

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".

Text

Description automatically generated

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

Text

Description automatically generated

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

Text

Description automatically generated

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

A black screen with white text

Description automatically generated with low confidence

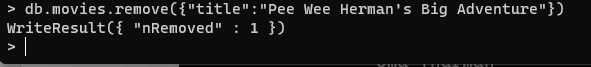
5. find all movies that have a synopsis that contains the word "gold" and "dragon".

Text

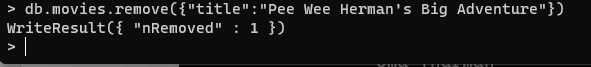
Description automatically generated

**Delete Documents**

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



2. delete the movie "Avatar".



**Relationships**

Insert the following documents into a users collection

Text

Description automatically generated

Insert rows inside the users collection:

Text

Description automatically generated

Insert the following documents into a posts collection.

Text

Description automatically generated

Insert rows inside the users collection:

Text

Description automatically generated

Text

Description automatically generated

Insert the following documents into a comments collection.

Text

Description automatically generated

Querying related collection

1. find all users

Text

Description automatically generated

2. find all posts

Text

Description automatically generated

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

Text

Description automatically generated

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

Graphical user interface, text

Description automatically generated

5. find all comments

Text

Description automatically generated

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

Text

Description automatically generated

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

Text

Description automatically generated

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

   Description automatically generated