**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.

title : Fight Club

writer : Chuck Palahniuko

year : 1999

actors : [ Brad Pitt Edward Norton ]

title : Pulp Fiction

writer : Quentin Tarantino

year : 1994 actors : [ John Travolta Uma Thurman ]

title : Inglorious Basterds

writer : Quentin Tarantino

year : 2009

actors : [ Brad Pitt Diane Kruger Eli Roth ]

title : The Hobbit An Unexpected Journey

writer : J.R.R. Tolkein

year : 2012

franchise : The Hobbit

title : The Hobbit:The Desolation of Smaug

writer : J.R.R. Tolkein

year : 2013

franchise : The Hobbit

title : The Hobbit The Battle of the Five Armies

writer : J.R.R. Tolkein

year : 2012

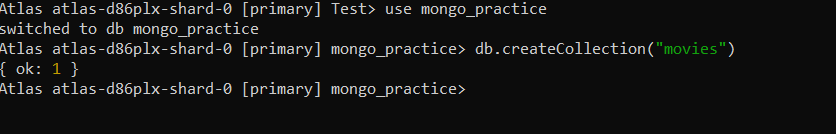
franchise : The Hobbit

synopsis : Bilbo and Company are forced to engage in a war against an array of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness.

title : Pee Wee Herman's Big Adventure

title : Avatar Reference

created a Collection and document



Graphical user interface, text

Description automatically generated

1. get all documents

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

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

Text

Description automatically generated

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

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

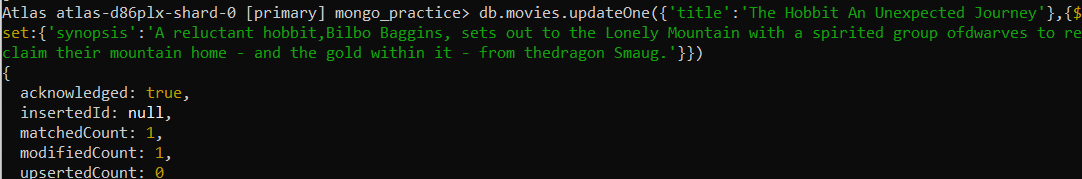
1. get all movies released before the year 2000 or after 2010

Text

Description automatically generated

**Update Documents 1.**

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."



Graphical user interface, text, application

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."

Text

Description automatically generated

Graphical user interface, text, application, email, website

Description automatically generated

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

Text

Description automatically generated



**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"

Text

Description automatically generated

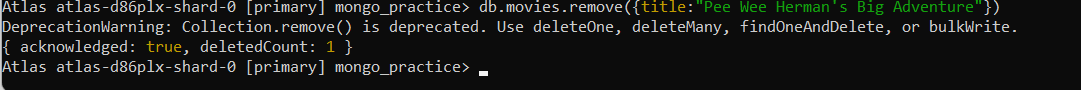
5. find all movies that have a synopsis that contains the word "gold" and "dragon"

Text

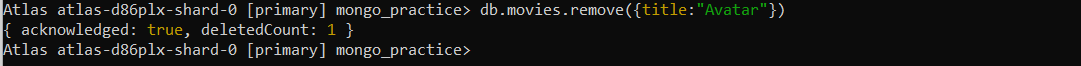
Description automatically generated

**Delete Documents**

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



1. delete the movie "Avatar"



Relationships

Insert the following documents into a users collection



Graphical user interface, text, application

Description automatically generated

Insert the following documents into a posts collection

 [{

username : 'GoodGuyGreg ',

title :'Passes out at party',

body : 'Wakes up early and cleans house'

},

{

username :'GoodGuyGreg',

title :'Steals your identity',

body :'Raises your credit score'

},

{

username :'GoodGuyGreg',

title :'Reports a bug in your code',

body :'Sends you a Pull Request'

},

{

username :'ScumbagSteve',

title :'Borrows something',

body : 'Sells it'

},

{

username :'ScumbagSteve',

title :'Borrows everything',

body :'The end'},

{

username : 'ScumbagSteve',

title : 'Forks your repo on github',

body : 'Sets to private Insert the following documents into a comments collection'

}]

Graphical user interface, text, application, chat or text message

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

comment :

Insert the following documents into a comments collection

[{username : 'GoodGuyGreg Hope you got a good deal!',

post : [ ObjectId("61eec029561ca8d9d2e2e6ef")]

},

 {

 username : 'GoodGuyGreg',

 comment : "What's mine is yours!",

 post : [ObjectId("61eec029561ca8d9d2e2e6f0")]

 },

 {username : "GoodGuyGreg",

  comment : "Don't violate the licensing agreement!",

  post : [ObjectId("61eec029561ca8d9d2e2e6f1")]

},

{username : 'ScumbagSteve',

comment : "It still isn't clean",

post : [ObjectId("61eec029561ca8d9d2e2e6ec")]

},

{

username :'ScumbagSteve',

comment :'Denied your PR cause I found a hack',

post : [ObjectId("61eec029561ca8d9d2e2e6ee")]

}

]

Text

Description automatically generated

1. find all users

Text

Description automatically generated

1. 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"

Text

Description automatically generated

1. find all comments

Text

Description automatically generated

1. 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"

Text

Description automatically generated

--------------------------------------THE END-------------------------------------------------