**MONGODB ASSIGNMENT1**

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

|  |
| --- |
| db.movies.insert([ |
|  | { |
|  | title : "Fight Club", |
|  | writer : "Chuck Palahniuk", |
|  | 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" |
|  | } |
|  | ]) |
|  |  |

Query / Find Documents

1. get all documents

db.movies.find({}).pretty()

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

db.movies.find({writer: "Quentin Tarantino"}).pretty()

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

db.movies.find({"actors": "Brad Pitt"}).pretty()

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

db.movies.find({franchise: "The Hobbit"}).pretty()

5. get all movies released in the 90s

db.movies.find({year: {$gte: “1990”, $lte: “1999”}}).pretty()

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

db.movies.find({$or:[{year:{$lte:”2000”}}, {year:{$gte:”2010”}}]}).pretty()

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."

db.movies.update({title: "The Hobbit: An Unexpected Journey"}, {synopsis: "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."

db.movies.update({title: "The Hobbit: The Desolation of Smaug"}, {synopsis: "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"}})

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

db.movies.find({ synopsis: /Bilbo/g }).pretty();

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

db.movies.find({ synopsis: /Gandalf/g }).pretty();

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

db.movies.find({ $and: [{ synopsis: /Bilbo/g }, { synopsis: { $not: /Gandalf/g } }] }).pretty();

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

db.movies.find({ synopsis: /(dwarves|hobbit)/g }).pretty();

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

db.movies.find({ synopsis: /(gold.\*dragon|dragon.\*gold)/g }).pretty();

Delete Documents

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

db.movies.remove({title: "Pee Wee Herman's Big Adventure"})

1. delete the movie "Avatar

db.movies.remove({title: "Avatar"})

1. find all users

db.users.find()

2. find all posts

db.posts.find()

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

db.posts.find({username: "GoodGuyGreg"})

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

db.posts.find({username: "ScumbagSteve"})

5. find all comments

db.comments.find()

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

db.comments.find({username: "GoodGuyGreg"})

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

db.comments.find({username: "ScumbagSteve"})