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MongoDB Lab Assignments -Day 1
brew services start mongodb-community@4.4
mongo
```

```
use mongo_practice
```

```
db.createCollection("movies")
```

```
db.movies.insertMany([
{
  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"
}
])

```

Query / Find Documents

```

1-db.movies.find().pretty()

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

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

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

5- db.movies.find({ $and:[ {year:{$gte:1990}}, {year:
{$lt:2000}} ] }).pretty()

6-db.movies.find({$or:[{year:{$lt:2000}}, {year:{$gt:2010}}]})

```

Update Documents

```

1-db.movies.updateOne({title:"The Hobbit: An Unexpected Journey"},
{$set:{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."}})

2-db.movies.updateOne({title:"The Hobbit: The Desolation of Smaug"},
{$set:{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."}})

3-db.movies.updateOne({title:"Pulp Fiction"},{$addToSet:
{actors:"Samuel L. Jackson"}})

```

Text Search

```

db.movies.createIndex({synopsis:"text"})

1-db.movies.find({$text:{$search:"Bilbo"}}).pretty()

2-db.movies.find({$text:{$search:"Gandalf"}}).pretty()

3-db.movies.find({$and:[{synopsis:{$regex:"Bilbo"}}, {synopsis:
{$not:/Gandalf/}}]}).pretty()

```

```
4-db.movies.find({$or:[{synopsis:{$regex:"dwarves"}}, {synopsis:
{$regex:"hobbit"}}]}).pretty()
5-db.movies.find({$and:[{synopsis:{$regex:"gold"}}, {synopsis:
{$regex:"dragon"}}]}).pretty()
```

Delete Documents

```
1-db.movies.remove({title:"Pee Wee Herman's Big Adventure"})
2-db.movies.remove({title:"Avatar"})
```

Querying related collections

```
1- db.users.find().pretty()
2-db.posts.find().pretty()
3-db.posts.find({username:"GoodGuyGreg"}).pretty()
4-db.posts.find({username:"ScumbagSteve"}).pretty()
5-db.comments.find().pretty()
6-db.comments.find({username:"GoodGuyGreg"}).pretty()
7-db.comments.find({username:"ScumbagSteve"}).pretty()
8-db.comments.find({post:{$regex:"Reports a bug in your code"}})
```

--Aniket Kumar Pandey