

MongoDB LAB ASSIGNMENT 1

Insert Documents:

```
C:\WINDOWS\system32\cmd.exe - mongo "mongodb+srv://cluster0.diz7.mongodb.net/mongo_practise" --username Okarbhah
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.insert({title:"Fight club", writer:"chuck pilahniuko", year:"1990", actors:["Brad Pitt", "Edward Norton"]})
WriteResult({ "nInserted" : 1 })
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.insert({title:"pulp fiction", writer:"quentin tarantino", year:"1994", actors:["john travolta", "uma thurman"]}, )
WriteResult({ "nInserted" : 1 })
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.insert(
... {title:"the hobbit:an unexpected journey", writer:"J.R.R Tolkein", year:"2012", franchise:"the hobbit"}, {title:"the hobbit:an unexpected journey", writer:"J.R.R Tolkein", year:"2013", franchise:"the hobbit"}
)
WriteResult({ "nInserted" : 1 })
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.insert(
... {title:"the hobbit: the battle of 5 armies", writer:"j.r.r tolkein", year:"2013", franchise:"the hobbit", synopsis:"Bilbo and his compayn are forced to engage in war against the array of combatants & keep the lonely mountain from falling into the hands of darkness"})
WriteResult({ "nInserted" : 1 })
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.insert(
... {title:"Pee wee hermans Big adventure"},{title:"avatar"})
WriteResult({ "nInserted" : 1 })
```

Qurey / Find Documents

```
C:\WINDOWS\system32\cmd.exe - mongo "mongodb+srv://cluster0.diz7.mongodb.net/mongo_practise" --username Okarbhah
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.find().pretty()
{
  "_id" : ObjectId("60a66f435cdd91e848bfdb57"),
  "title" : "Fight club",
  "writer" : "chuck pilahniuko",
  "year" : "1990",
  "actors" : [
    "Brad Pitt",
    "Edward Norton"
  ]
}
{
  "_id" : ObjectId("60a6708a5cdd91e848bfdb58"),
  "title" : "pulp fiction",
  "writer" : "quentin tarantino",
  "year" : "1994",
  "actors" : [
    "john travolta",
    "uma thurman"
  ]
}
{
  "_id" : ObjectId("60a672085cdd91e848bfdb59"),
  "title" : "the hobbit:an unexpected journey",
  "writer" : "J.R.R Tolkein",
  "year" : "2012",
  "franchise" : "the hobbit"
}
{
  "_id" : ObjectId("60a673385cdd91e848bfdb5a"),
  "title" : "the hobbit: the battle of 5 armies",
  "writer" : "j.r.r tolkein",
  "year" : "2013",
  "franchise" : "the hobbit",
  "synopsis" : "Bilbo and his compayn are forced to engage in war against the array of combatants & keep the lonely mountain from falling into the hands of darkness"
}
{
  "_id" : ObjectId("60a673e25cdd91e848bfdb5b"),
  "title" : "Pee wee hermans Big adventure"
}
{
  "_id" : ObjectId("60a678415cdd91e848bfdb5c"),
  "title" : "Inglorious basterds",
  "writer" : "quentin tarantino",
  "year" : "2009",
  "actors" : [
    "Brad pitt",
    "Diane Kruger",
    "Eli roth"
  ]
}
```

```
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.find({"franchise": "the hobbit"}).pretty()
{
  "_id" : ObjectId("60a672085cdd91e848bfdb59"),
  "title" : "the hobbit:an unexpected journey",
  "writer" : "J.R.R Tolkein",
  "year" : "2012",
  "franchise" : "the hobbit"
}
{
  "_id" : ObjectId("60a673385cdd91e848bfdb5a"),
  "title" : "the hobbit: the battle of 5 armies",
  "writer" : "j.r.r tolkein",
  "year" : "2013",
  "franchise" : "the hobbit",
  "synopsis" : "Bilbo and his compayn are forced to engage in war against the array of combatants & keep the lonely mountain from falling into the hands of darkness"
}
```

```

MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.find({$or:[{year:{$gt:"2000"}},{year:{$lt:"2010"}}]}).pretty()
{
  "_id" : ObjectId("60a66f435cdd91e848bfd57"),
  "title" : "Fight club",
  "writer" : "chuck pilahniuko",
  "year" : "1990",
  "actors" : [
    "Brad Pitt",
    "Edward Norton"
  ]
}
{
  "_id" : ObjectId("60a6708a5cdd91e848bfd58"),
  "title" : "pulp fiction",
  "writer" : "quentin tarantino",
  "year" : "1994",
  "actors" : [
    "john travolta",
    "uma thurman"
  ]
}
{
  "_id" : ObjectId("60a672095cdd91e848bfd59"),
  "title" : "the hobbit:an unexpected journey",
  "writer" : "J.R.R Tolkein",
  "year" : "2012",
  "franchise" : "the hobbit"
}
{
  "_id" : ObjectId("60a673385cdd91e848bfd5a"),
  "title" : "the hobbit: the battle of 5 armies",
  "writer" : "j.r.r tolkein",
  "year" : "2013",
  "franchise" : "the hobbit",
  "synopsis" : "Bilbo and his company are forced to engage in war against the array of combatants & keep the lonely mountain from falling into the hands of darkness"
}
{
  "_id" : ObjectId("60a678415cdd91e848bfd5c"),
  "title" : "Inglorious basterds",
  "writer" : "quentin tarantino",
  "year" : "2009",
  "actors" : [
    "Brad pitt",
    "Diane kruger",
    "Eli roth"
  ]
}

```

```

MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.find({"writer": "quentin tarantino"}).pretty()
{
  "_id" : ObjectId("60a6708a5cdd91e848bfd58"),
  "title" : "pulp fiction",
  "writer" : "quentin tarantino",
  "year" : "1994",
  "actors" : [
    "john travolta",
    "uma thurman"
  ]
}
{
  "_id" : ObjectId("60a678415cdd91e848bfd5c"),
  "title" : "Inglorious basterds",
  "writer" : "quentin tarantino",
  "year" : "2009",
  "actors" : [
    "Brad pitt",
    "Diane kruger",
    "Eli roth"
  ]
}

```

```

B Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.insert({title:"The Hobbit: The Desolation of Smaug", writer:"JRR Tolkein", year:"2013", franchise:"The Hobbit"})
result({ "nInserted" : 1 })

```

```
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.find({year: {$gt:"1990", $lt:"2000"}}).pretty()
{
  "_id" : ObjectId("60a6708a5cdd91e848bfbdb58"),
  "title" : "pulp fiction",
  "writer" : "quentin tarantino",
  "year" : "1994",
  "actors" : [
    "john travolta",
    "uma thurman"
  ]
}
```

Update Documents:

Add Synopsis to “The Desolation of Smaug:”

```
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.update({title:"The Hobbit: The Desolation of Smaug"},{$set:{synopsis:"The Dwarves along with Bilbo Baggins and Gandalf the grey continue their quest to claim Erbor.Bilbo Baggins is in possession of magical and mysterious rings"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

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

```
C:\WINDOWS\system32\cmd.exe - mongo "mongodb+srv://cluster0.dizr7.mongodb.net/mongo_practise" --username Okarbhal
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.update({title:"pulp fiction"}, {$push:{actors:"Samuel Jackson"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

Delete Documents:

1) Delete the movie "Pee Wee Herman's Big Adventure"

```
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.remove({title:"Avtar"})
WriteResult({ "nRemoved" : 1 })
```

2) Delete the movie "Avatar"

```
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.find({title: "Pee wee hermans Big adventure"})
{ "_id" : ObjectId("60a673e25cdd91e848bfbdb5b"), "title" : "Pee wee hermans Big adventure" }
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.movies.remove({title:"Pee wee hermans Big adventure"})
WriteResult({ "nRemoved" : 1 })
```

Relationships:

Querey related Relation:

```
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.users.find()
{ "_id" : ObjectId("60a6b1ede34117270251763b"), "firstname" : "GoodGuy", "lastname" : "Greg" }
{ "_id" : ObjectId("60b35c65e71c733e881a9969"), "username" : "GoodGuyGreg", "title" : "Passes out at party", "body" : "Wakes up early and cleans house" }
{ "_id" : ObjectId("60b35c65e71c733e881a996a"), "username" : "GoodGuyGreg", "title" : "Steals your identity", "body" : "Raises your credit score" }
{ "_id" : ObjectId("60b35c65e71c733e881a996b"), "username" : "GoodGuyGreg", "title" : "Reports a bug in your code", "body" : "Sends you a pull request" }
{ "_id" : ObjectId("60b35c65e71c733e881a996c"), "username" : "ScumbagSteve", "title" : "Borrows something", "body" : "Sells it" }
{ "_id" : ObjectId("60b35c65e71c733e881a996d"), "username" : "ScumbagSteve", "title" : "Borrows everything", "body" : "The end" }
{ "_id" : ObjectId("60b35c65e71c733e881a996e"), "username" : "ScumbagSteve", "title" : "Forks your repo on github", "body" : "Sets to private" }
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> .
```

```
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.post.find({})
{ "_id" : ObjectId("60b35d9ae71c733e881a9974"), "username" : "GoodGuyGreg", "title" : "Passes out at party", "body" : "Wakes up early and cleans house" }
{ "_id" : ObjectId("60b35d9ae71c733e881a9975"), "username" : "GoodGuyGreg", "title" : "Steals your identity", "body" : "Raises your credit score" }
{ "_id" : ObjectId("60b35d9ae71c733e881a9976"), "username" : "GoodGuyGreg", "title" : "Reports a bug in your code", "body" : "Sends you a pull request" }
{ "_id" : ObjectId("60b35d9ae71c733e881a9977"), "username" : "ScumbagSteve", "title" : "Borrows something", "body" : "Sells it" }
{ "_id" : ObjectId("60b35d9ae71c733e881a9978"), "username" : "ScumbagSteve", "title" : "Borrows everything", "body" : "The end" }
{ "_id" : ObjectId("60b35d9ae71c733e881a9979"), "username" : "ScumbagSteve", "title" : "Forks your repo on github", "body" : "Sets to private" }
```



```

MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.post.find({username: "ScumbagSteve"}).pretty()
{
  "_id" : ObjectId("60b35d9ae71c733e881a9977"),
  "username" : "ScumbagSteve",
  "title" : "Borrows something",
  "body" : "Sells it"
}
{
  "_id" : ObjectId("60b35d9ae71c733e881a9978"),
  "username" : "ScumbagSteve",
  "title" : "Borrows everything",
  "body" : "The end"
}
{
  "_id" : ObjectId("60b35d9ae71c733e881a9979"),
  "username" : "ScumbagSteve",
  "title" : "Forks your repo on github",
  "body" : "Sets to private"
}
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY>

```

```

MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.comment.find()
{ "_id" : ObjectId("60b36a9d2ef38d763d89b39f"), "username" : "GoodGuyGreg", "comment" : "Hope you got a good deal!", "post" : ObjectId("60a6a585ba380c87665c37a8") }
{ "_id" : ObjectId("60b36a9d2ef38d763d89b3a0"), "username" : "GoodGuyGreg", "comment" : "What's mine is yours!", "post" : ObjectId("60a6a585ba380c87665c37a9") }
{ "_id" : ObjectId("60b36a9d2ef38d763d89b3a1"), "username" : "GoodGuyGreg", "comment" : "Don't violate the licensing agreement!", "post" : ObjectId("60a6a585ba380c87665c37aa") }
{ "_id" : ObjectId("60b36a9d2ef38d763d89b3a2"), "username" : "ScumbagSteve", "comment" : "It still isn't clean", "post" : ObjectId("60a6a585ba380c87665c37a5") }
{ "_id" : ObjectId("60b36a9d2ef38d763d89b3a3"), "username" : "ScumbagSteve", "comment" : "Denied your PR cause I found a hack", "post" : ObjectId("60a6a585ba380c87665c37a7") }
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY>

```

```

MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.comment.find({username:"GoodGuyGreg"})
{ "_id" : ObjectId("60b36a9d2ef38d763d89b39f"), "username" : "GoodGuyGreg", "comment" : "Hope you got a good deal!", "post" : ObjectId("60a6a585ba380c87665c37a8") }
{ "_id" : ObjectId("60b36a9d2ef38d763d89b3a0"), "username" : "GoodGuyGreg", "comment" : "What's mine is yours!", "post" : ObjectId("60a6a585ba380c87665c37a9") }
{ "_id" : ObjectId("60b36a9d2ef38d763d89b3a1"), "username" : "GoodGuyGreg", "comment" : "Don't violate the licensing agreement!", "post" : ObjectId("60a6a585ba380c87665c37aa") }
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY>

```

```

MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.comment.find({username:"ScumbagSteve"}).pretty()
{
  "_id" : ObjectId("60b36a9d2ef38d763d89b3a2"),
  "username" : "ScumbagSteve",
  "comment" : "It still isn't clean",
  "post" : ObjectId("60a6a585ba380c87665c37a5")
}
{
  "_id" : ObjectId("60b36a9d2ef38d763d89b3a3"),
  "username" : "ScumbagSteve",
  "comment" : "Denied your PR cause I found a hack",
  "post" : ObjectId("60a6a585ba380c87665c37a7")
}
MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY>

```

```

MongoDB Enterprise atlas-axfr16-shard-0:PRIMARY> db.comment.find({post:ObjectId("60a6a585ba380c87665c37a7")}).pretty()
{
  "_id" : ObjectId("60b35d12e71c733e881a9973"),
  "username" : "ScumbagSteve",
  "comment" : "Denied your PR cause I found a hack",
  "post" : ObjectId("60a6a585ba380c87665c37a7")
}

```