MongoDB Assignment 1

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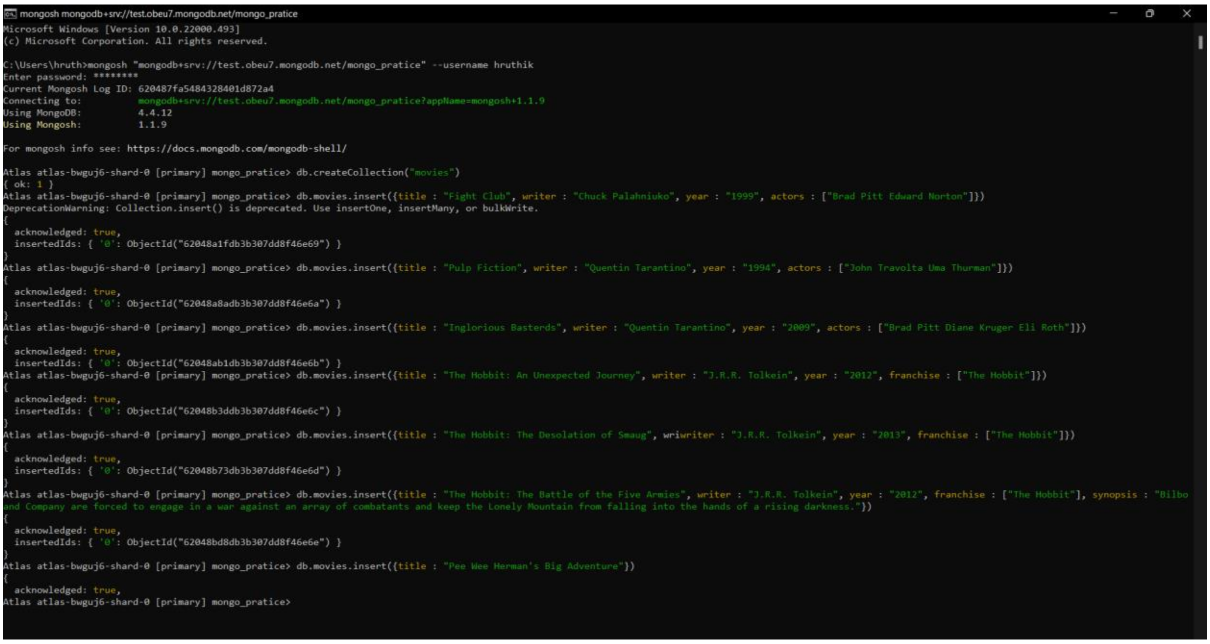
MongoDB Exercise in mongo shell

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.

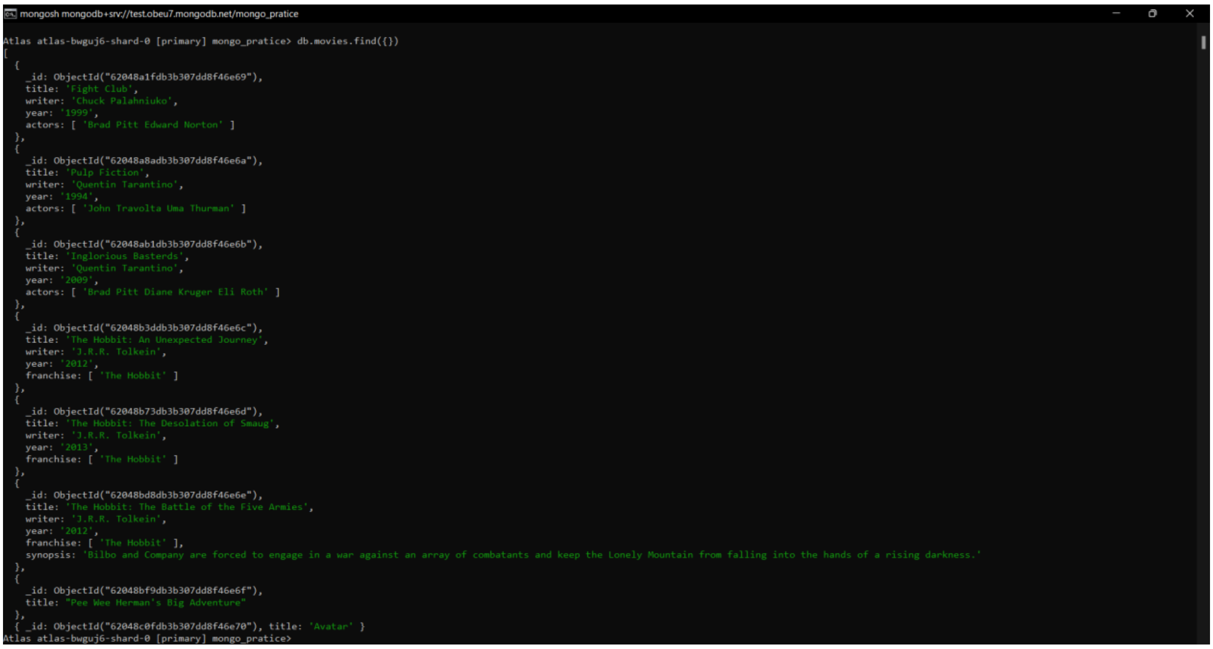


```
Microsoft Windows [Version 10.0.22000.493]
(c) Microsoft Corporation. All rights reserved.

C:\Users\hruth>mongosh "mongodb+srv://test.obeu7.mongodb.net/mongo_pratice" --username hruthik
Enter password: ********
Current Mongosh Log ID: 620487fa5484328401d872a4
Connecting to:          mongodb+srv://test.obeu7.mongodb.net/mongo_pratice?appName=mongosh+1.1.9
Using MongoDB:          4.4.12
Using Mongosh:          1.1.9

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.createCollection("movies")
{ ok: 1 }
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.insert({title : "Fight Club", writer : "Chuck Palahniuko", year : "1999", actors : ["Brad Pitt Edward Norton"]})
DeprecationWarning: Collection.insert() is deprecated. Use insertOne, insertMany, or bulkWrite.
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("62048a1fdb3b307dd8f46e69") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.insert({title : "Pulp Fiction", writer : "Quentin Tarantino", year : "1994", actors : ["John Travolta Uma Thurman"]})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("62048a8adb3b307dd8f46e6a") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.insert({title : "Inglorious Basterds", writer : "Quentin Tarantino", year : "2009", actors : ["Brad Pitt Diane Kruger Eli Roth"]})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("62048ab1db3b307dd8f46e6b") }
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.insert({title : "The Hobbit: An Unexpected Journey", writer : "J.R.R. Tolkein", year : "2012", franchise : ["The Hobbit"]})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("62048b3ddb3b307dd8f46e6c") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.insert({title : "The Hobbit: The Desolation of Smaug", wriwriter : "J.R.R. Tolkein", year : "2013", franchise : ["The Hobbit"]})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("62048b73db3b307dd8f46e6d") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.insert({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."})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("62048bd8db3b307dd8f46e6e") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.insert({title : "Pee Wee Herman's Big Adventure"})
{
  acknowledged: true,
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice>
```

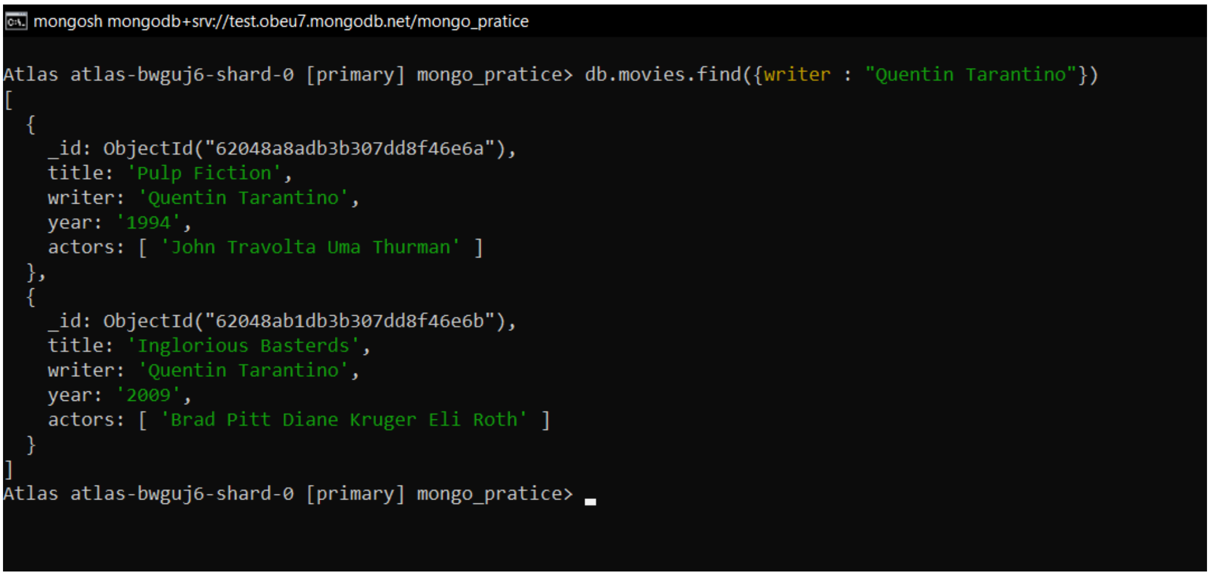
Query / Find Documents

query the **movies** collection to

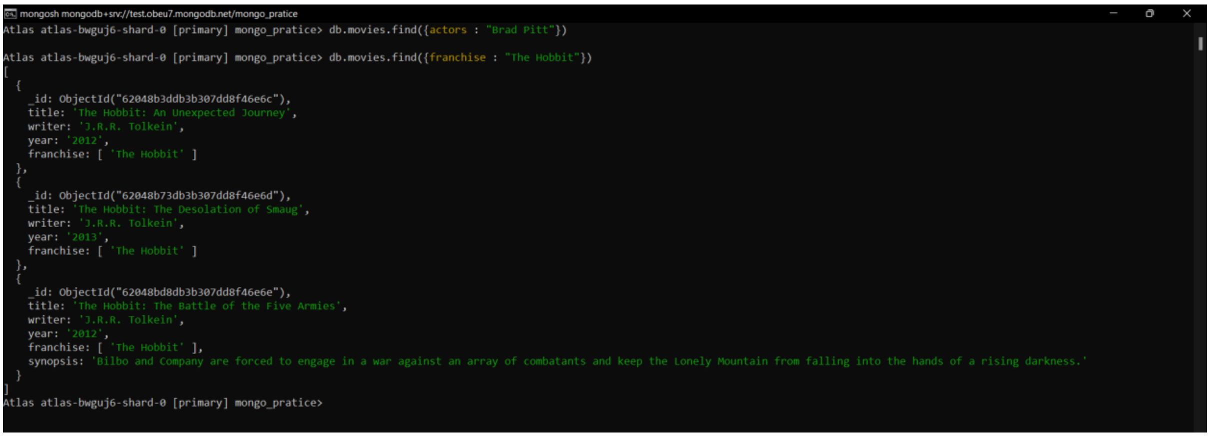
1. get all documents
2. get all documents with writer set to "Quentin Tarantino"
3. get all documents where actors include "Brad Pitt"
4. get all documents with franchise set to "The Hobbit"
5. get all movies released in the 90s
6. get all movies released before the year 2000 or after 2010



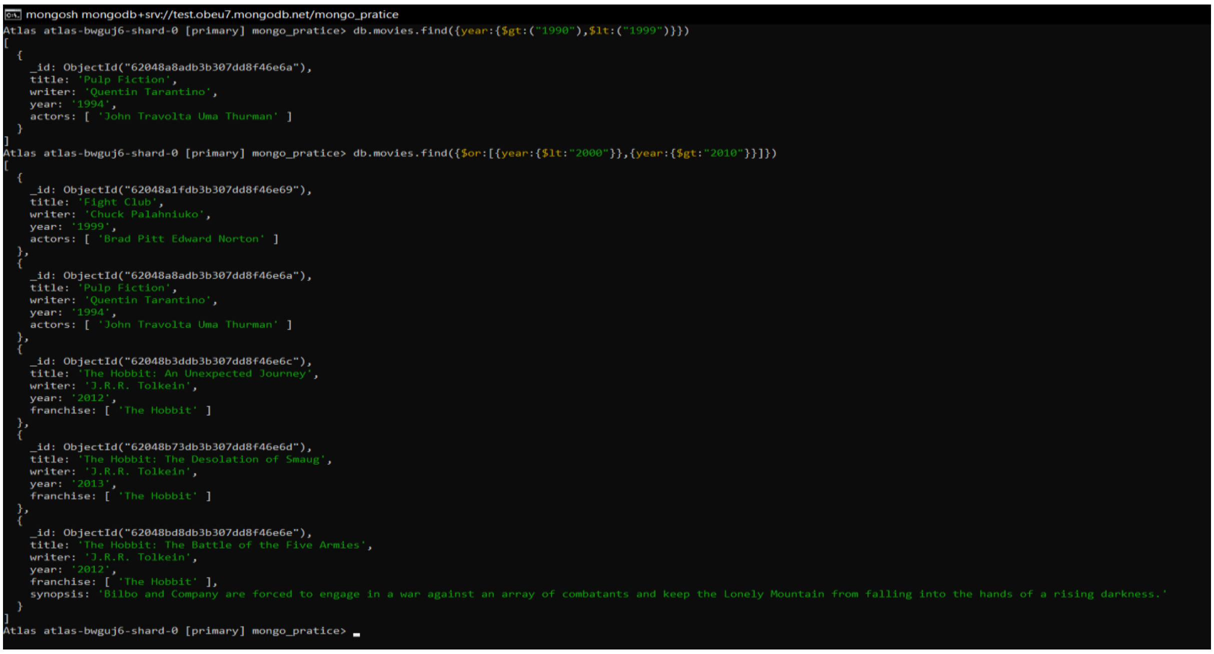
```
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.find({})
[
  {
    _id: ObjectId("62048a1fdb3b307dd8f46e69"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuko',
    year: '1999',
    actors: [ 'Brad Pitt Edward Norton' ]
  },
  {
    _id: ObjectId("62048a8adb3b307dd8f46e6a"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: '1994',
    actors: [ 'John Travolta Uma Thurman' ]
  },
  {
    _id: ObjectId("62048ab1db3b307dd8f46e6b"),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: '2009',
    actors: [ 'Brad Pitt Diane Kruger Eli Roth' ]
  },
  {
    _id: ObjectId("62048b3ddb3b307dd8f46e6c"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: '2012',
    franchise: [ 'The Hobbit' ]
  },
  {
    _id: ObjectId("62048b73db3b307dd8f46e6d"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: '2013',
    franchise: [ 'The Hobbit' ]
  },
  {
    _id: ObjectId("62048bd8db3b307dd8f46e6e"),
    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.'
  },
  {
    _id: ObjectId("62048bf9db3b307dd8f46e6f"),
    title: "Pee Wee Herman's Big Adventure"
  },
  { _id: ObjectId("62048c0fdb3b307dd8f46e70"), title: 'Avatar' }
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice>
```



```
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.find({writer : "Quentin Tarantino"})
[
  {
    _id: ObjectId("62048a8adb3b307dd8f46e6a"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: '1994',
    actors: [ 'John Travolta Uma Thurman' ]
  },
  {
    _id: ObjectId("62048ab1db3b307dd8f46e6b"),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: '2009',
    actors: [ 'Brad Pitt Diane Kruger Eli Roth' ]
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> _
```



```
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.find({actors : "Brad Pitt"})

Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.find({franchise : "The Hobbit"})
[
  {
    _id: ObjectId("62048b3ddb3b307dd8f46e6c"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: '2012',
    franchise: [ 'The Hobbit' ]
  },
  {
    _id: ObjectId("62048b73db3b307dd8f46e6d"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: '2013',
    franchise: [ 'The Hobbit' ]
  },
  {
    _id: ObjectId("62048bd8db3b307dd8f46e6e"),
    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.'
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice>
```



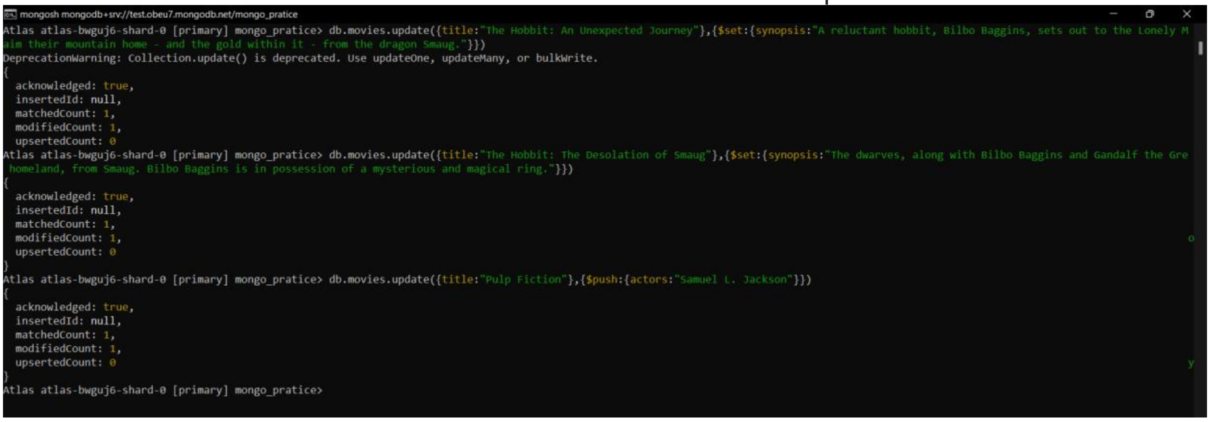
```
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.find({year:{$gt:("1990"),$lt:("1999")}})
[
  {
    _id: ObjectId("62048a8adb3b307dd8f46e6a"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: '1994',
    actors: [ 'John Travolta Uma Thurman' ]
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.find({$or:[{year:{$lt:"2000"}},{year:{$gt:"2010"}}]})
[
  {
    _id: ObjectId("62048a1fdb3b307dd8f46e69"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuko',
    year: '1999',
    actors: [ 'Brad Pitt Edward Norton' ]
  },
  {
    _id: ObjectId("62048a8adb3b307dd8f46e6a"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: '1994',
    actors: [ 'John Travolta Uma Thurman' ]
  },
  {
    _id: ObjectId("62048b3ddb3b307dd8f46e6c"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: '2012',
    franchise: [ 'The Hobbit' ]
  },
  {
    _id: ObjectId("62048b73db3b307dd8f46e6d"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: '2013',
    franchise: [ 'The Hobbit' ]
  },
  {
    _id: ObjectId("62048bd8db3b307dd8f46e6e"),
    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.'
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> _
```

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."

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"



```
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.update({title:"The Hobbit: An Unexpected Journey"},{$set:{synopsis:"A reluctant hobbit, Bilbo Baggins, sets out to the Lonely M
aim their mountain home - and the gold within it - from the dragon Smaug."}})
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.update({title:"The Hobbit: The Desolation of Smaug"},{$set:{synopsis:"The dwarves, along with Bilbo Baggins and Gandalf the Gre
 homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring."}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,                                                                                                                                                                       o
  upsertedCount: 0
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.update({title:"Pulp Fiction"},{$push:{actors:"Samuel L. Jackson"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0                                                                                                                                                                        y
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice>
```

Text Search

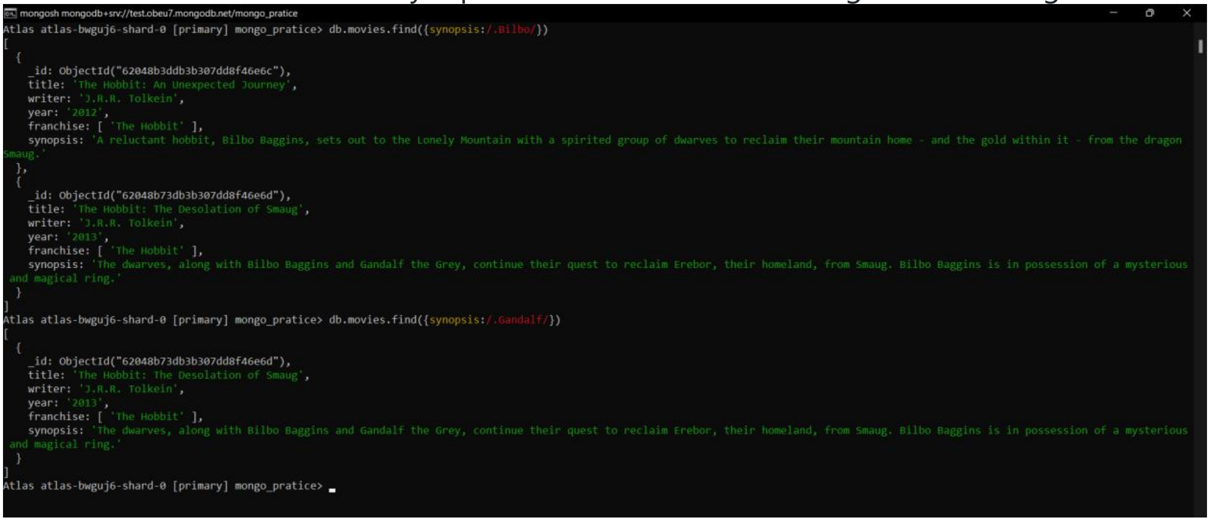
1. find all movies that have a synopsis that contains the word "Bilbo"

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

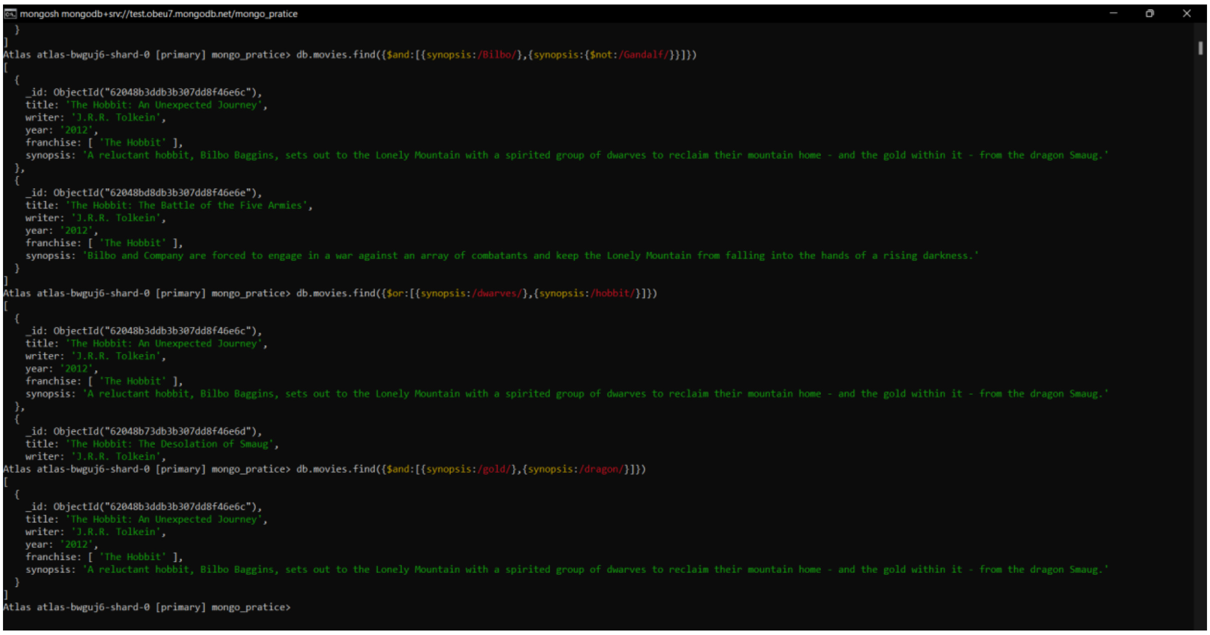
3. find all movies that have a synopsis that contains the word "Bilbo" and not the word "Gandalf"

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

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



```
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.find({synopsis:/.Bilbo/})
[
  {
    _id: ObjectId("62048b3ddb3b307dd8f46e6c"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: '2012',
    franchise: [ 'The Hobbit' ],
    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.'
  },
  {
    _id: ObjectId("62048b73db3b307dd8f46e6d"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: '2013',
    franchise: [ 'The Hobbit' ],
    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.'
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.find({synopsis:/.Gandalf/})
[
  {
    _id: ObjectId("62048b73db3b307dd8f46e6d"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: '2013',
    franchise: [ 'The Hobbit' ],
    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.'
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> _
```

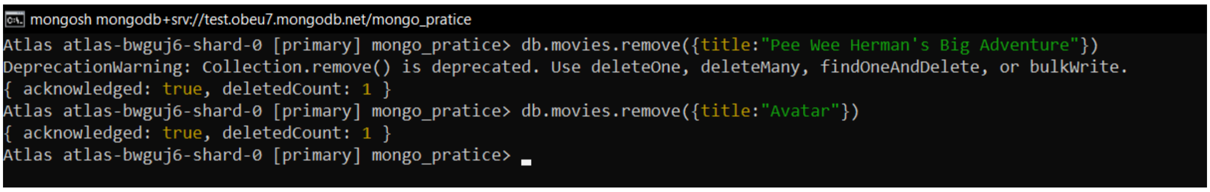


```
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.find({$and:[{synopsis:/Bilbo/},{synopsis:{$not:/Gandalf/}}]})
[
  {
    _id: ObjectId("62048b3ddb3b307dd8f46e6c"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: '2012',
    franchise: [ 'The Hobbit' ],
    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.'
  },
  {
    _id: ObjectId("62048bd8db3b307dd8f46e6e"),
    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.'
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.find({$or:[{synopsis:/dwarves/},{synopsis:/hobbit/}]})
[
  {
    _id: ObjectId("62048b3ddb3b307dd8f46e6c"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: '2012',
    franchise: [ 'The Hobbit' ],
    synopsis: 'A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug.'
  },
  {
    _id: ObjectId("62048b73db3b307dd8f46e6d"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.find({$and:[{synopsis:/gold/},{synopsis:/dragon/}]})
[
  {
    _id: ObjectId("62048b3ddb3b307dd8f46e6c"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: '2012',
    franchise: [ 'The Hobbit' ],
    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.'
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice>
```

Delete Documents

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

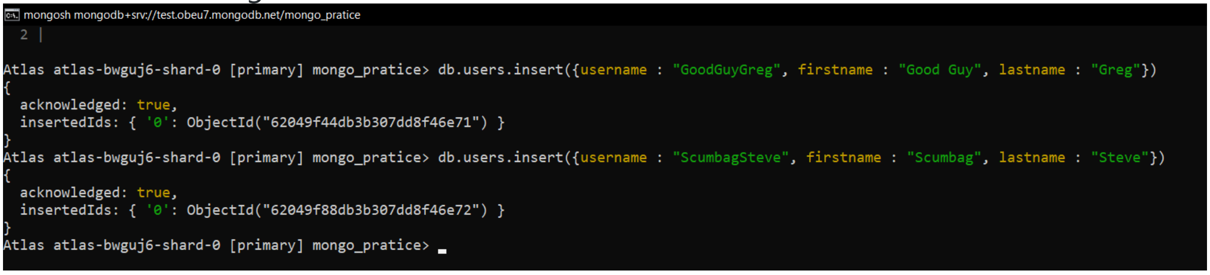
2. delete the movie "Avatar"



```
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.remove({title:"Pee Wee Herman's Big Adventure"})
DeprecationWarning: Collection.remove() is deprecated. Use deleteOne, deleteMany, findOneAndDelete, or bulkWrite.
{ acknowledged: true, deletedCount: 1 }
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.movies.remove({title:"Avatar"})
{ acknowledged: true, deletedCount: 1 }
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> _
```

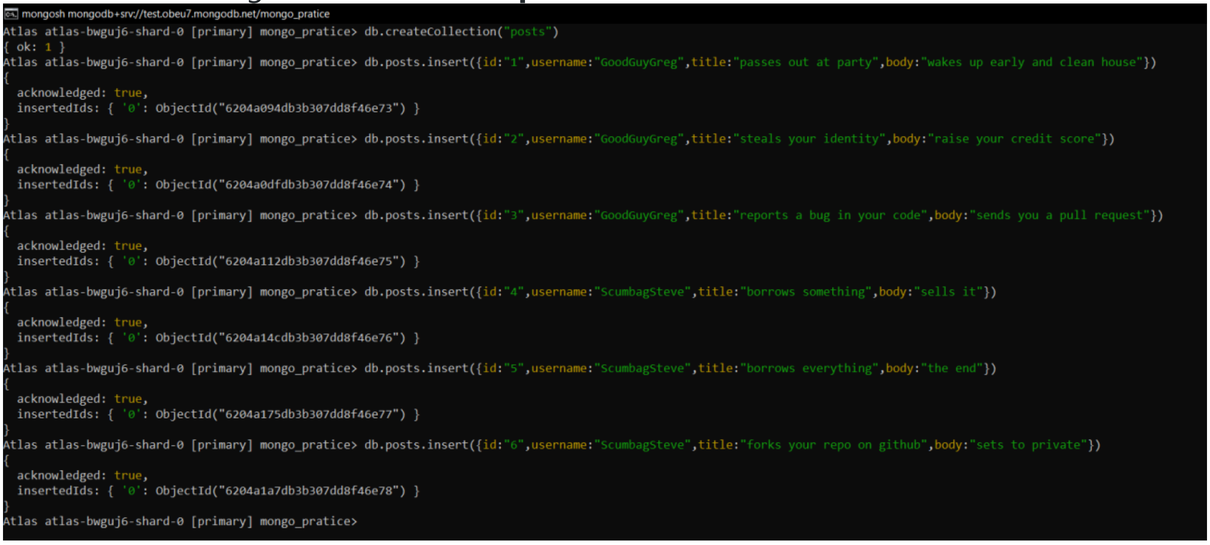
Relationships

Insert the following documents into a **users** collection



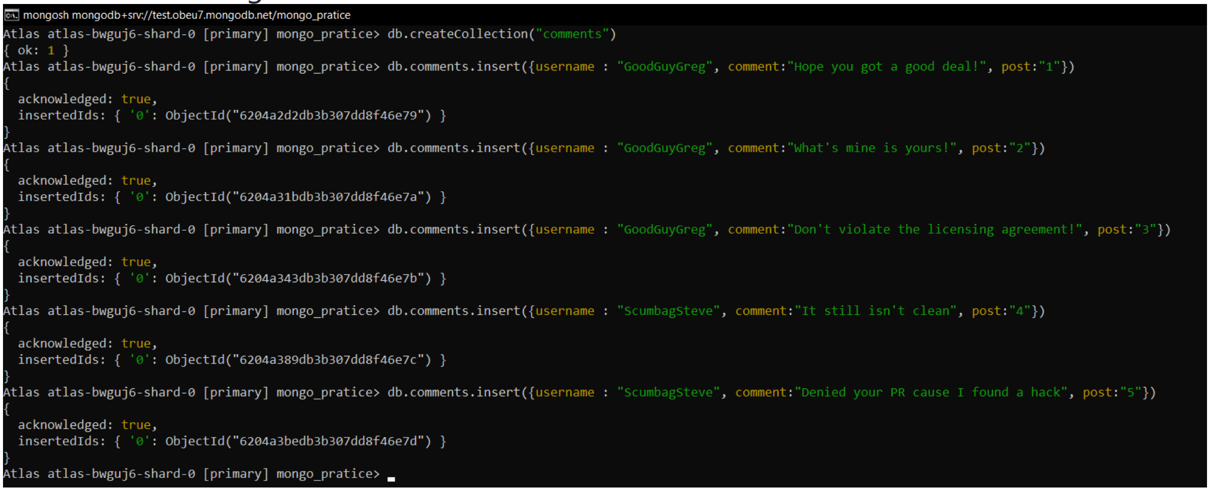
```
mongosh mongodb+srv://test.obeu7.mongodb.net/mongo_pratice
  2 |

Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.users.insert({username : "GoodGuyGreg", firstname : "Good Guy", lastname : "Greg"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("62049f44db3b307dd8f46e71") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.users.insert({username : "ScumbagSteve", firstname : "Scumbag", lastname : "Steve"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("62049f88db3b307dd8f46e72") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> _
```

Insert the following documents into a **posts** collection



```
mongosh mongodb+srv://test.obeu7.mongodb.net/mongo_pratice
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.createCollection("posts")
{ ok: 1 }
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.posts.insert({id:"1",username:"GoodGuyGreg",title:"passes out at party",body:"wakes up early and clean house"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6204a094db3b307dd8f46e73") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.posts.insert({id:"2",username:"GoodGuyGreg",title:"steals your identity",body:"raise your credit score"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6204a0dfdb3b307dd8f46e74") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.posts.insert({id:"3",username:"GoodGuyGreg",title:"reports a bug in your code",body:"sends you a pull request"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6204a112db3b307dd8f46e75") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.posts.insert({id:"4",username:"ScumbagSteve",title:"borrows something",body:"sells it"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6204a14cdb3b307dd8f46e76") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.posts.insert({id:"5",username:"ScumbagSteve",title:"borrows everything",body:"the end"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6204a175db3b307dd8f46e77") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.posts.insert({id:"6",username:"ScumbagSteve",title:"forks your repo on github",body:"sets to private"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6204a1a7db3b307dd8f46e78") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice>
```

Insert the following documents into a **comments** collection



```
mongosh mongodb+srv://test.obeu7.mongodb.net/mongo_pratice
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.createCollection("comments")
{ ok: 1 }
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.comments.insert({username : "GoodGuyGreg", comment:"Hope you got a good deal!", post:"1"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6204a2d2db3b307dd8f46e79") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.comments.insert({username : "GoodGuyGreg", comment:"What's mine is yours!", post:"2"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6204a31bdb3b307dd8f46e7a") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.comments.insert({username : "GoodGuyGreg", comment:"Don't violate the licensing agreement!", post:"3"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6204a343db3b307dd8f46e7b") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.comments.insert({username : "ScumbagSteve", comment:"It still isn't clean", post:"4"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6204a389db3b307dd8f46e7c") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.comments.insert({username : "ScumbagSteve", comment:"Denied your PR cause I found a hack", post:"5"})
{
  acknowledged: true,
  insertedIds: { '0': ObjectId("6204a3bedb3b307dd8f46e7d") }
}
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> _
```

Querying related collections

1. find all users

2. find all posts

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

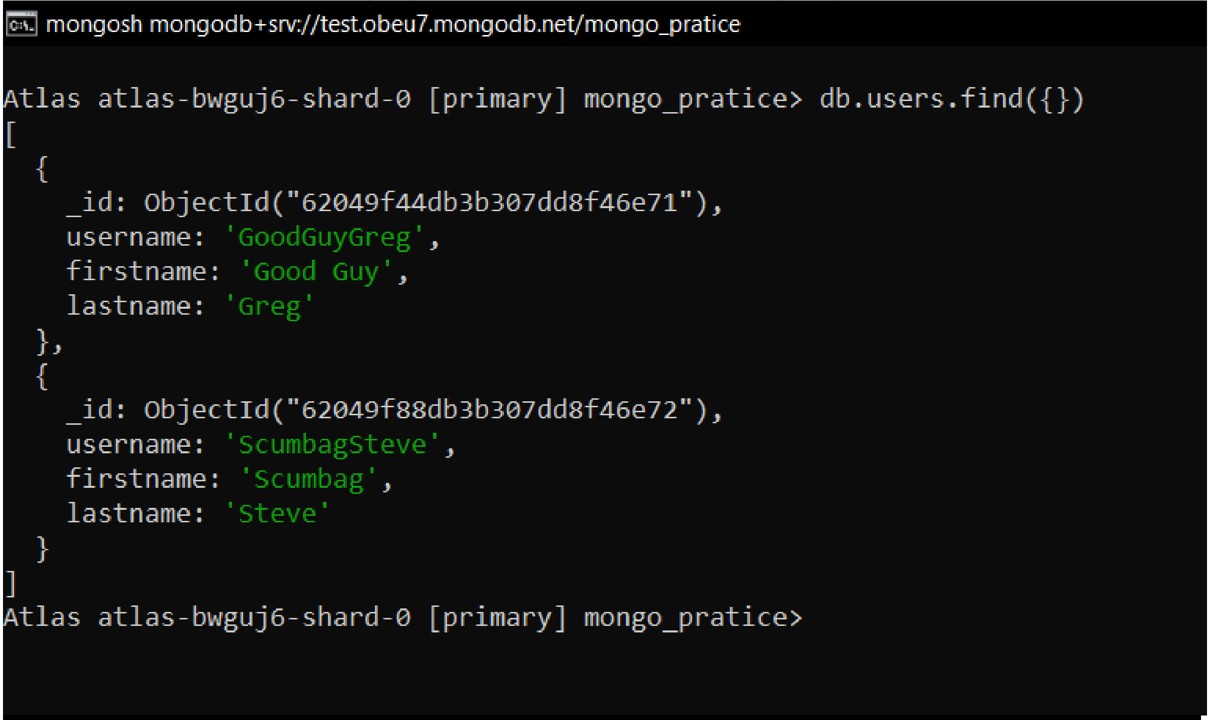
4. find all posts that was authored by "ScumbagSteve"

5. find all comments

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

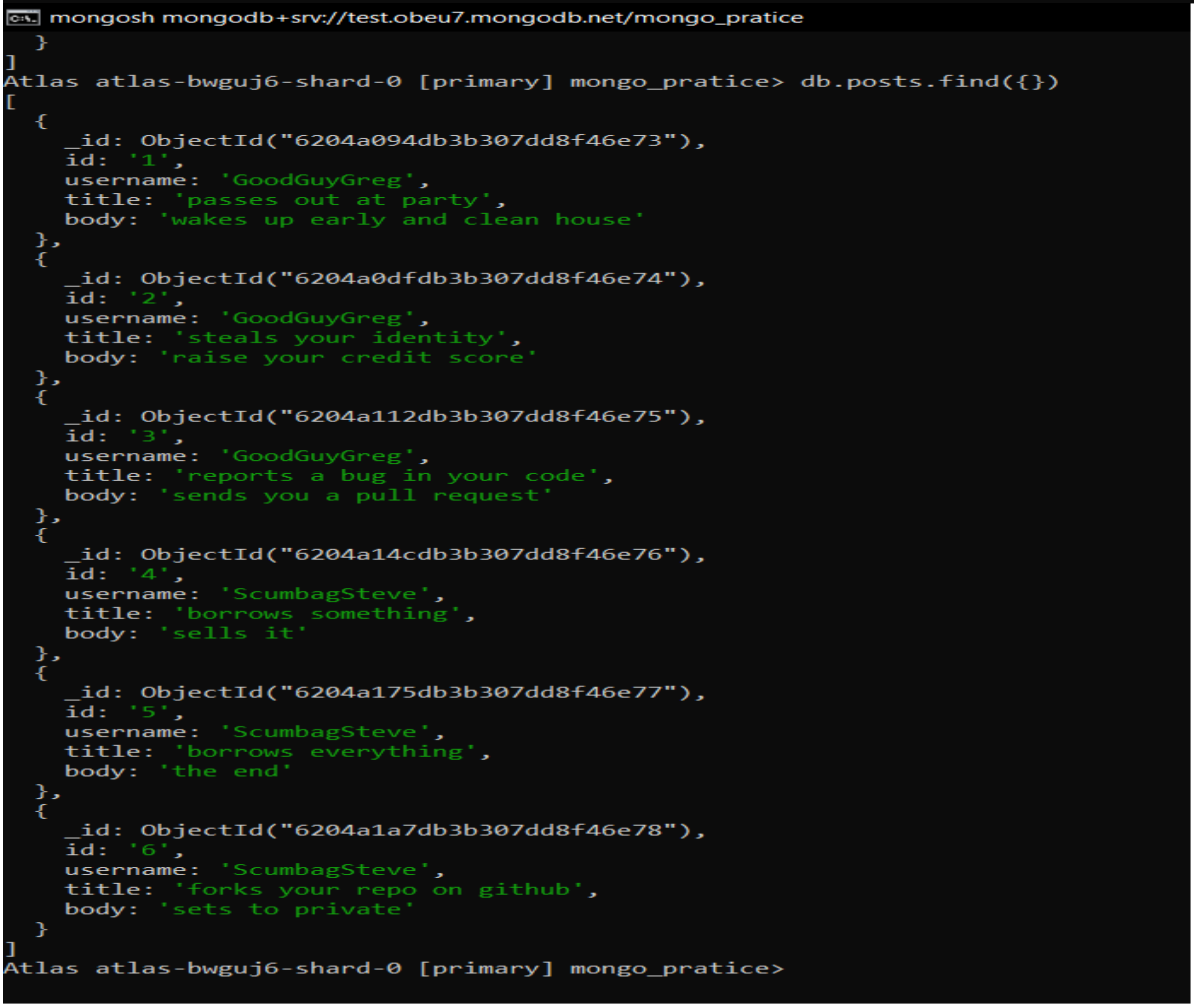
7. find all comments that was authored by "ScumbagSteve"

8. find all comments belonging to the post "Reports a bug in your code"



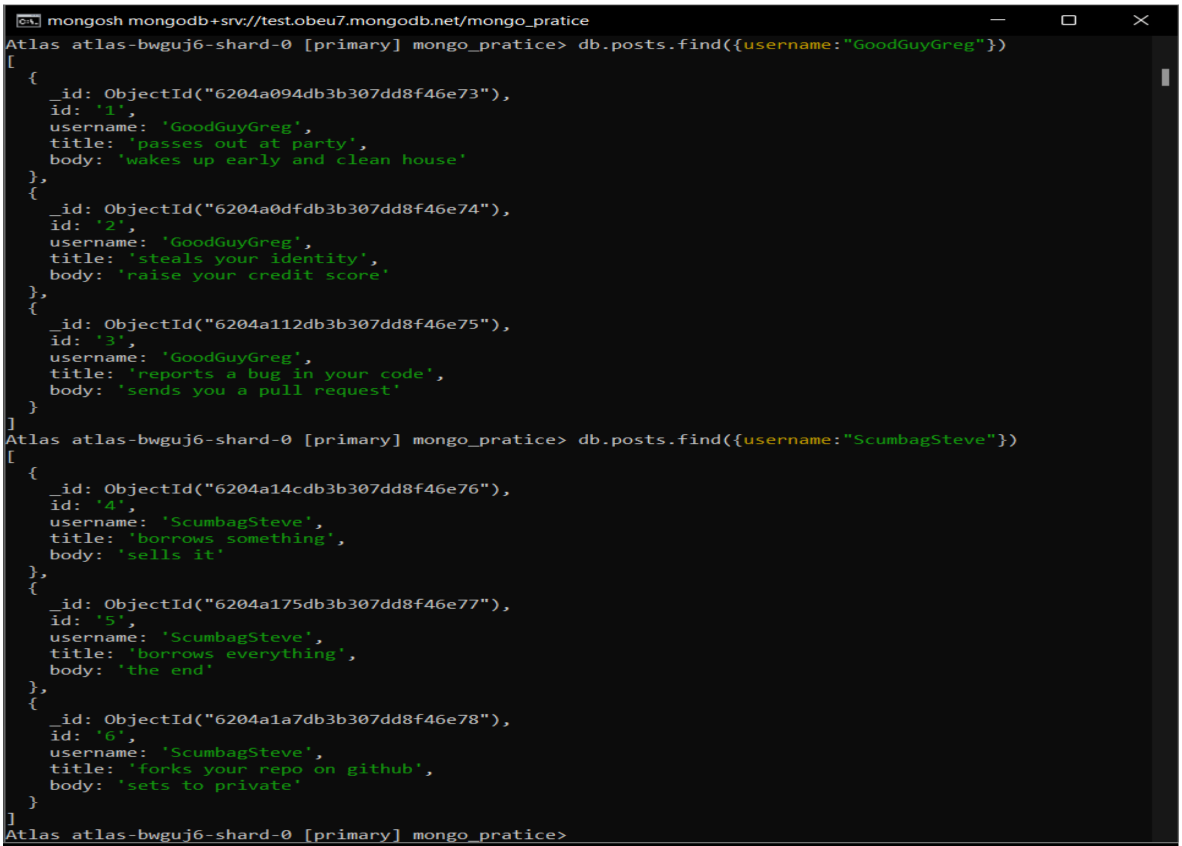
mongosh mongodb+srv://test.obeu7.mongodb.net/mongo_pratice

```
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.users.find({})
[
  {
    _id: ObjectId("62049f44db3b307dd8f46e71"),
    username: 'GoodGuyGreg',
    firstname: 'Good Guy',
    lastname: 'Greg'
  },
  {
    _id: ObjectId("62049f88db3b307dd8f46e72"),
    username: 'ScumbagSteve',
    firstname: 'Scumbag',
    lastname: 'Steve'
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice>
```

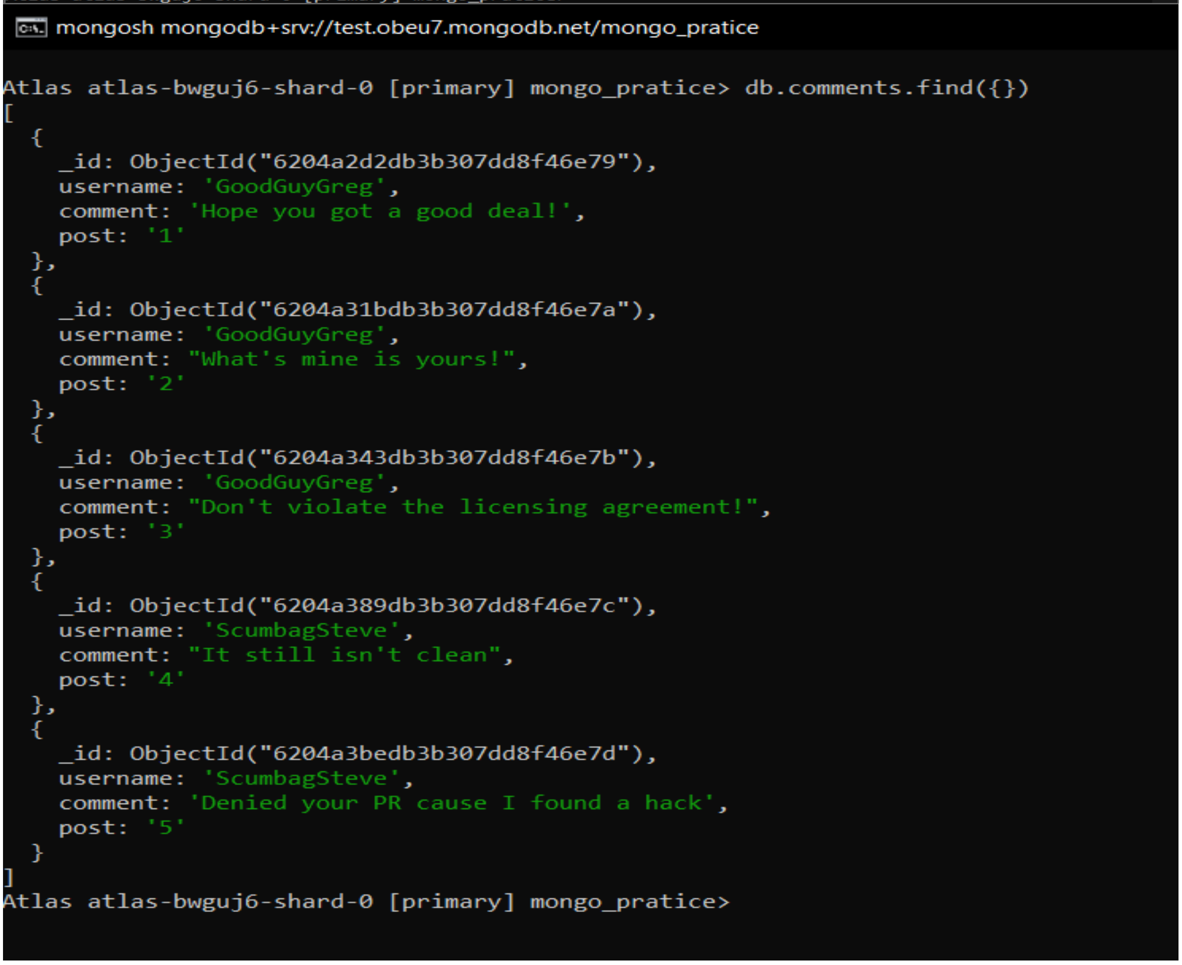


mongosh mongodb+srv://test.obeu7.mongodb.net/mongo_pratice

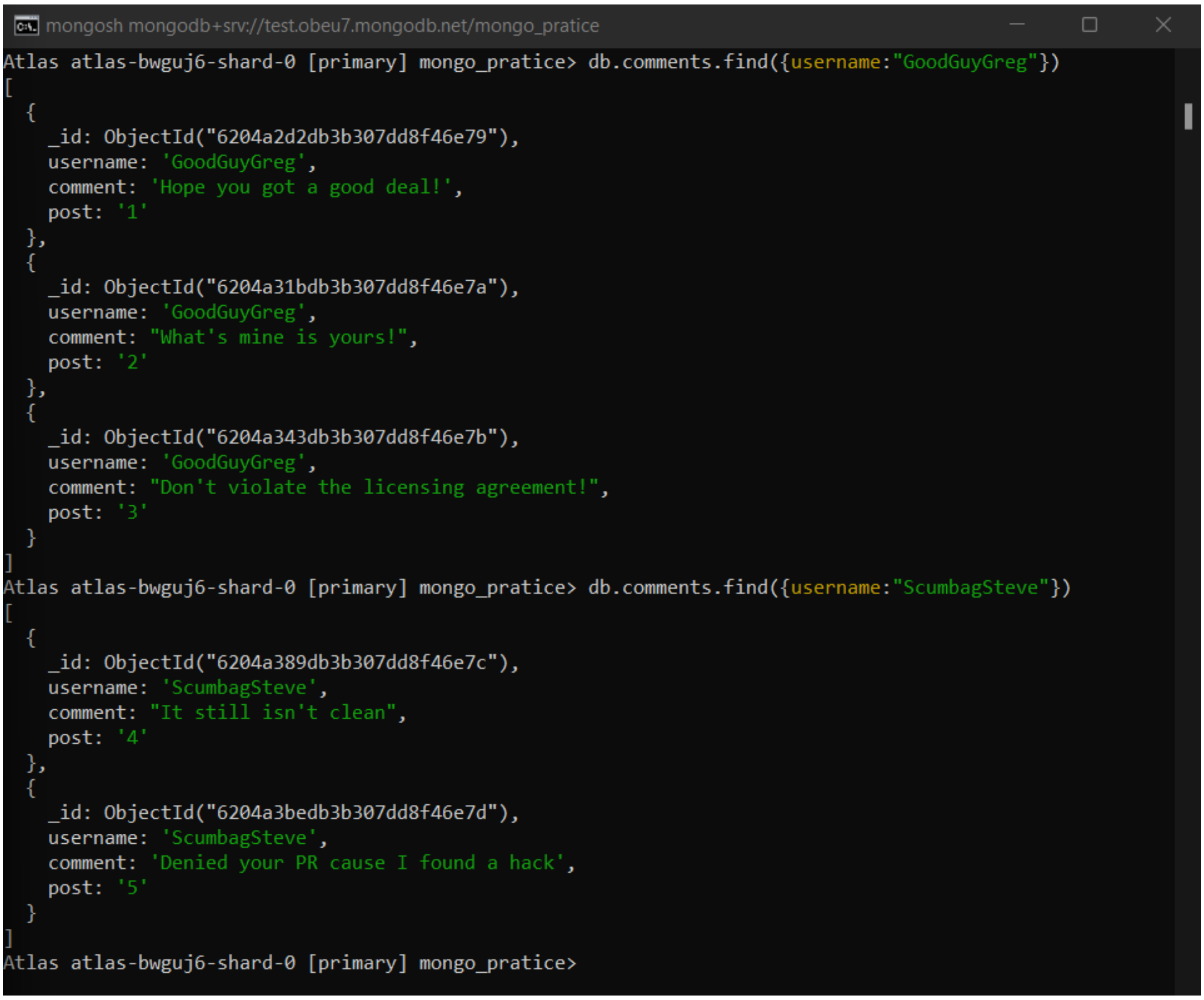
```
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.posts.find({})
[
  {
    _id: ObjectId("6204a094db3b307dd8f46e73"),
    id: '1',
    username: 'GoodGuyGreg',
    title: 'passes out at party',
    body: 'wakes up early and clean house'
  },
  {
    _id: ObjectId("6204a0dfdb3b307dd8f46e74"),
    id: '2',
    username: 'GoodGuyGreg',
    title: 'steals your identity',
    body: 'raise your credit score'
  },
  {
    _id: ObjectId("6204a112db3b307dd8f46e75"),
    id: '3',
    username: 'GoodGuyGreg',
    title: 'reports a bug in your code',
    body: 'sends you a pull request'
  },
  {
    _id: ObjectId("6204a14cdb3b307dd8f46e76"),
    id: '4',
    username: 'ScumbagSteve',
    title: 'borrows something',
    body: 'sells it'
  },
  {
    _id: ObjectId("6204a175db3b307dd8f46e77"),
    id: '5',
    username: 'ScumbagSteve',
    title: 'borrows everything',
    body: 'the end'
  },
  {
    _id: ObjectId("6204a1a7db3b307dd8f46e78"),
    id: '6',
    username: 'ScumbagSteve',
    title: 'forks your repo on github',
    body: 'sets to private'
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice>
```



```
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.posts.find({username:"GoodGuyGreg"})
[
  {
    _id: ObjectId("6204a094db3b307dd8f46e73"),
    id: '1',
    username: 'GoodGuyGreg',
    title: 'passes out at party',
    body: 'wakes up early and clean house'
  },
  {
    _id: ObjectId("6204a0dfdb3b307dd8f46e74"),
    id: '2',
    username: 'GoodGuyGreg',
    title: 'steals your identity',
    body: 'raise your credit score'
  },
  {
    _id: ObjectId("6204a112db3b307dd8f46e75"),
    id: '3',
    username: 'GoodGuyGreg',
    title: 'reports a bug in your code',
    body: 'sends you a pull request'
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.posts.find({username:"ScumbagSteve"})
[
  {
    _id: ObjectId("6204a14cdb3b307dd8f46e76"),
    id: '4',
    username: 'ScumbagSteve',
    title: 'borrows something',
    body: 'sells it'
  },
  {
    _id: ObjectId("6204a175db3b307dd8f46e77"),
    id: '5',
    username: 'ScumbagSteve',
    title: 'borrows everything',
    body: 'the end'
  },
  {
    _id: ObjectId("6204a1a7db3b307dd8f46e78"),
    id: '6',
    username: 'ScumbagSteve',
    title: 'forks your repo on github',
    body: 'sets to private'
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice>
```



```
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.comments.find({})
[
  {
    _id: ObjectId("6204a2d2db3b307dd8f46e79"),
    username: 'GoodGuyGreg',
    comment: 'Hope you got a good deal!',
    post: '1'
  },
  {
    _id: ObjectId("6204a31bdb3b307dd8f46e7a"),
    username: 'GoodGuyGreg',
    comment: "What's mine is yours!",
    post: '2'
  },
  {
    _id: ObjectId("6204a343db3b307dd8f46e7b"),
    username: 'GoodGuyGreg',
    comment: "Don't violate the licensing agreement!",
    post: '3'
  },
  {
    _id: ObjectId("6204a389db3b307dd8f46e7c"),
    username: 'ScumbagSteve',
    comment: "It still isn't clean",
    post: '4'
  },
  {
    _id: ObjectId("6204a3bedb3b307dd8f46e7d"),
    username: 'ScumbagSteve',
    comment: 'Denied your PR cause I found a hack',
    post: '5'
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice>
```



```
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.comments.find({username:"GoodGuyGreg"})
[
  {
    _id: ObjectId("6204a2d2db3b307dd8f46e79"),
    username: 'GoodGuyGreg',
    comment: 'Hope you got a good deal!',
    post: '1'
  },
  {
    _id: ObjectId("6204a31bdb3b307dd8f46e7a"),
    username: 'GoodGuyGreg',
    comment: "What's mine is yours!",
    post: '2'
  },
  {
    _id: ObjectId("6204a343db3b307dd8f46e7b"),
    username: 'GoodGuyGreg',
    comment: "Don't violate the licensing agreement!",
    post: '3'
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice> db.comments.find({username:"ScumbagSteve"})
[
  {
    _id: ObjectId("6204a389db3b307dd8f46e7c"),
    username: 'ScumbagSteve',
    comment: "It still isn't clean",
    post: '4'
  },
  {
    _id: ObjectId("6204a3bedb3b307dd8f46e7d"),
    username: 'ScumbagSteve',
    comment: 'Denied your PR cause I found a hack',
    post: '5'
  }
]
Atlas atlas-bwguj6-shard-0 [primary] mongo_pratice>
```