ASSIGNMENT 2.1

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.

```
C:\Users\hp>mongosh "mongodb+srv://cluster0ab.vwip4.mongodb.net/mongo_practice" --username aa2410
Enter password: *****
Current Mongosh Log ID: 6204114136be0c2a72efc33b
Connecting to: mongodb+srv://cluster0ab.vwip4.mongodb.net/mongo_practice?appName=mongosh+1.1.9
Using Mongosh: 4.4.12
Using Mongosh: 1.1.9
```

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

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.insertOne({title: 'Fight Club', writer: 'Chuck Palahniuko', year : 1999, actors : ['Brad Pitt', 'Edward Norton']})
{
    acknowledged: true,
    insertedId: ObjectId("62042a8a0394e2fe115d7992")
}
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.insertOne({title: 'Pulp Fiction', writer: 'Quentin Tarantino', year : 1994, actors : ['John Travolta', 'Uma Thurman']})
{
    acknowledged: true,
    insertedId: ObjectId("62042ae30394e2fe115d7993")
}
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.insertOne({title: 'Inglorious Basterds', writer: 'Quentin Tarantino', year : 2009, actors : ['Brad Pitt', 'Diane Kruger', 'Eli Noth']})
{
    acknowledged: true,
    insertedId: ObjectId("62042b2e0394e2fe115d7994")
}
Atlas atlas-102tzf-shard-0 [primary] mongo_practice>
    bit'})
{
    acknowledged: true,
    insertedId: ObjectId("62042b2e0394e2fe115d7994")
}
Atlas atlas-102tzf-shard-0 [primary] mongo_practice>
    bit'})
{
    acknowledged: true,
    insertedId: ObjectId("62042b2e0394e2fe115d7995")
}
```

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.insertOne({title: The Hobbit: The Desolation of Smaug',writer: 'J.R.R. Tolkein',year:2013,franchise: 'The Hobbit'})

{
    acknowledged: true,
    insertedId: ObjectId("62042c690394e2fe115d7996")
}

Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.insertOne({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 ris:
    ng darkness })

{
    acknowledged: true,
    insertedId: ObjectId("62042c9a0394e2fe115d7997")
}

Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.insertOne({title: Pee Wee Herman's Big Adventure"})

{
    acknowledged: true,
    insertedId: ObjectId("62042cd60394e2fe115d7998")
}

Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.insertOne({title: 'Avatar'})

{
    acknowledged: true,
    insertedId: ObjectId("62042cee0394e2fe115d7999")
}

Atlas atlas-102tzf-shard-0 [primary] mongo_practice>
```

Query / Find Documents

query the movies collection to

1. get all documents

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.find()
     id: ObjectId("62042a8a0394e2fe115d7992"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuko',
    year: 1999,
actors: [ 'Brad Pitt', 'Edward Norton' ]
     _id: ObjectId("62042ae30394e2fe115d7993"),
    title: 'Pulp Fiction',
writer: 'Quentin Tarantino',
year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman' ]
     id: ObjectId("62042b2e0394e2fe115d7994"),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
     id: ObjectId("62042b5f0394e2fe115d7995"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: 2012,
franchise: 'The Hobbit'
```

```
id: ObjectId("62042c690394e2fe115d7996"),
 title: 'The Hobbit: The Desolation of Smaug',
 writer: 'J.R.R. Tolkein',
 year: 2013,
  franchise: 'The Hobbit'
},
  id: ObjectId("62042c9a0394e2fe115d7997"),
 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 aga
},
  id: ObjectId("62042cd60394e2fe115d7998"),
  title: "Pee Wee Herman's Big Adventure"
{ _id: ObjectId("62042cee0394e2fe115d7999"), title: 'Avatar' }
```

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

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.find({writer:'Quentin Tarantino'})

{
    _id: ObjectId("62042ae30394e2fe115d7993"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman' ]
},

{
    _id: ObjectId("62042b2e0394e2fe115d7994"),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
}
Atlas atlas-102tzf-shard-0 [primary] mongo_practice>
```

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

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.find({actors:'Brad Pitt'})

{
    _id: ObjectId("62042a8a0394e2fe115d7992"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuko',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
},

{
    _id: ObjectId("62042b2e0394e2fe115d7994"),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
}

Atlas atlas-102tzf-shard-0 [primary] mongo_practice>
```

get all documents with franchise set to "The Hobbit"

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.find({franchise:'The Hobbit'})
    id: ObjectId("62042b5f0394e2fe115d7995"),
   title: 'The Hobbit: An Unexpected Journey',
   writer: 'J.R.R. Tolkein',
   year: 2012,
   franchise: 'The Hobbit'
    id: ObjectId("62042c690394e2fe115d7996"),
   title: 'The Hobbit: The Desolation of Smaug',
   writer: 'J.R.R. Tolkein',
   year: 2013,
   franchise: 'The Hobbit'
    id: ObjectId("62042c9a0394e2fe115d7997"),
   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
htlas atlas-102tzf-shard-0 [primary] mongo_practice>
```

5. get all movies released in the 90s

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.find({$and:[{year:{$gte:1990}}},{year:{$lt:2000}}]])

{
    _id: ObjectId("62042a8a0394e2fe115d7992"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuko',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
},

{
    _id: ObjectId("62042ae30394e2fe115d7993"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman' ]
}

Atlas atlas-102tzf-shard-0 [primary] mongo_practice>
```

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.find({$or:[{year:{$gt:2010}},{year:{$lt:2000}}]})
     id: ObjectId("62042a8a0394e2fe115d7992"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuko',
    year: 1999,
actors: [ 'Brad Pitt', 'Edward Norton' ]
     id: ObjectId("62042ae30394e2fe115d7993"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
   year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman' ]
     id: ObjectId("62042b5f0394e2fe115d7995"),
   title: 'The Hobbit: An Unexpected Journey', writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit'
     _id: ObjectId("62042c690394e2fe115d7996"),
   title: 'The Hobbit: The Desolation of Smaug', writer: 'J.R.R. Tolkein',
    year: 2013,
    franchise: 'The Hobbit'
    _id: ObjectId("62042c9a0394e2fe115d7997"),
    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
Atlas atlas-102tzf-shard-0 [primary] mongo_practice>
```

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."

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> 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'}})

{
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 1,
    upsertedCount: 0
}

Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.find({title: 'The Hobbit: An Unexpected Journey'})

{
    id: ObjectId("62042b5f0394e2fe115d7995"),
    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-102tzf-shard-0 [primary] mongo_practice>
```

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."

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> 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 trebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring.'}})

acknowledged: true,
insertedId: null,
matchedCount: 1,
modifiedCount: 1,
upsertedCount: 0

Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.find({title:'The Hobbit: The Desolation of Smaug'})

{
    __id: ObjectId("62042c690394e2fe115d7996"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'l.R.R. Tolkein',
    year: 2013,
    franchise: 'The Hobbit',
    synopsis: 'The Hobbit',
    synopsis: 'The Hobbit',
    synopsis: 'The Hobbit' Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possesion of a mysterious and magical ring.'
}
```

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

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.updateOne({title:'Pulp Fiction'},{$push:{actors:'Samuel L. Jackson'}})

{
    acknowledged: true,
    insertedId: null,
    matchedCount: 1,
    modifiedCount: 0
}

Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.find({title:'Pulp Fiction'})

{
    _id: ObjectId("62042ae30394e2fe115d7993"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman', 'Samuel L. Jackson' ]
}
```

Text Search

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

```
Atlas atlas-102tzf-shard-0 [primary] mongo practice> db.movies.find({synopsis:{$regex:/Bilbo/i}})
    id: ObjectId("62042b5f0394e2fe115d7995"),
    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 g
    from the dragon Smaug
    _id: ObjectId("62042c690394e2fe115d7996"),
   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
    _id: ObjectId("62042c9a0394e2fe115d7997"),
    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 k
Atlas atlas-102tzf-shard-0 [primary] mongo_practice>
```

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"

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.find({$and:[{synopsis:{$regex:/Bilbo/i}},{synopsis:{$snot:{$regex:/Gandalf/i}}}]})

{
    _id: ObjectId("62042b5f0394e2fe115d7995"),
    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 -
it - from the dragon Smaug'
},

{
    _id: ObjectId("62042c9a0394e2fe115d7997"),
    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 han
ess'
}
```

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"

Delete Documents

- delete the movie "Pee Wee Herman's Big Adventure"
- 2. delete the movie "Avatar"

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.remove({title:"Pee Wee Herman's Big Adventure"})
{ acknowledged: true, deletedCount: 1 }
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.movies.remove({title:'Avatar'})
{ acknowledged: true, deletedCount: 1 }
Atlas atlas 102tzf shard 0 [primary] manga practice>
```

Relationships

Insert the following documents into a users collection

username : GoodGuyGreg first_name : "Good Guy" last_name : "Greg"

username: ScumbagSteve

full_name : first : "Scumbag" last : "Steve"

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.users.insertOne({username:'GoodGuyGreg',first_name:'GoodGuy',last_name:'Greg'})
{
    acknowledged: true,
    insertedId: ObjectId("620458260394e2fe115d799a")
}
```

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.users.insertOne({username:'ScumbagSteve',fullname:[{first:'Scumbag'},{last:'Steve'}]})
{
    acknowledged: true,
    insertedId: ObjectId("620458960394e2fe115d799b")
}
```

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

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.posts.insertOne({
 .. username: 'GoodGuyGreg', title: 'steals your identity', body: 'raises your credit score'})
 acknowledged: true,
 insertedId: ObjectId("620466808c7545a0fcf872fa")
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.posts.insertOne({
 .. username: 'GoodGuyGreg',title: 'reports a bug in your code',body: 'sends you a pull request'})
 acknowledged: true,
 insertedId: ObjectId("620466f48c7545a0fcf872fb")
Atlas atlas-102tzf-shard-0 [primary] mongo practice> db.posts.insertOne({
 .. username: 'ScumbagSteve', title: 'borrows something', body: 'sells it'})
 acknowledged: true,
 insertedId: ObjectId("620467568c7545a0fcf872fc")
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.posts.insertOne({
 .. username: 'ScumbagSteve', title: 'borrows everything', body: 'The end'})
 acknowledged: true,
 insertedId: ObjectId("620467988c7545a0fcf872fd")
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.posts.insertOne({
 .. username: 'ScumbagSteve', title: 'forks your repo on github', body: 'sets to private'})
 acknowledged: true,
 insertedId: ObjectId("620467f18c7545a0fcf872fe")
Atlas atlas-102tzf-shard-0 [primary] mongo practice>
```

Insert the following documents into a comments collection

```
username: GoodGuyGreg
comment: Hope you got a good deal!
post: [post obj id]
where [post obj id] is the ObjectId of the posts document: "Borrows something"
username: GoodGuyGreg
comment: What's mine is yours!
post: [post obj id]
where [post_obj_id] is the ObjectId of the posts document: "Borrows everything"
username: GoodGuyGreg
comment: Don't violate the licensing agreement!
post: [post_obi id]
where [post obj id] is the ObjectId of the posts document: "Forks your repo on
github
username: ScumbagSteve
comment: It still isn't clean
post : [post_obi id]
where [post obj id] is the ObjectId of the posts document: "Passes out at party"
username: ScumbagSteve
comment: Denied your PR cause I found a hack
post : [post_obj_id]
where [post obj id] is the ObjectId of the posts document: "Reports a bug in your
code"
```

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.comments.insertOne({
.. username: 'GoodGuyGreg',comment: 'hope you got a good deal!',post:ObjectId("620467568c7545a0fcf872fc")})
  acknowledged: true,
  insertedId: ObjectId("620469658c7545a0fcf872ff")
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.comments.find()
    _id: ObjectId("620469658c7545a0fcf872ff"),
   username: 'GoodGuyGreg',
comment: 'hope you got a good deal!
   post: ObjectId("620467568c7545a0fcf872fc")
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.comments.insertOne({
 .. username: GoodGuyGreg',comment: what's mine is yours!", post:ObjectId("620467988c7545a0fcf872fd")})
 acknowledged: true,
 insertedId: ObjectId("62046ba8a3f154672fe9a0cf")
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.comments.insertOne({
.. username: 'GoodGuyGreg',comment: "don't violate the licensing agreement",post:ObjectId("620467f18c7545a0fcf872fe")})
 acknowledged: true,
 insertedId: ObjectId("62046c61a3f154672fe9a0d0")
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.comments.insertOne({
.. username: 'ScumbagSteve', comment: "it still isn't clean", post: ObjectId("62045bac0394e2fe115d799c")
 .. })
 acknowledged: true,
 insertedId: ObjectId("62046cd2a3f154672fe9a0d1")
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.comments.insertOne({
.. username: 'ScumbagSteve', comment: "Denied your PR cause I found a hack", post: ObjectId("620466f48c7545a0fcf872fb")
 acknowledged: true,
 insertedId: ObjectId("62046d44a3f154672fe9a0d2")
Atlas atlas-102tzf-shard-0 [primary] mongo_practice>
```

Querying related collections

1. find all users

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.posts.find()
     id: ObjectId("62045bac0394e2fe115d799c"),
    username: 'GoodGuyGreg',
    title: 'passes out at party',
body: 'wakes up early and cleans house'
    _id: ObjectId("620466808c7545a0fcf872fa"),
    username: 'GoodGuyGreg',
    title: 'steals your identity',
body: 'raises your credit score'
    _id: ObjectId("620466f48c7545a0fcf872fb"),
    username: 'GoodGuyGreg',
    title: 'reports a bug in your code',
    body: 'sends you a pull request'
     id: ObjectId("620467568c7545a0fcf872fc"),
    username: 'ScumbagSteve',
    title: 'borrows something',
    body: 'sells it'
    _id: ObjectId("620467988c7545a0fcf872fd"),
    username: 'ScumbagSteve',
    title: 'borrows everything',
body: 'The end'
    _id: ObjectId("620467f18c7545a0fcf872fe"),
    username: 'ScumbagSteve',
    title: 'forks your repo on github',
    body: 'sets to private'
```

find all posts that was authored by "GoodGuyGreg"

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

5. find all comments

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.comments.find()
    _id: ObjectId("620469658c7545a0fcf872ff"),
    username: 'GoodGuyGreg',
    comment: 'hope you got a good deal!',
    post: ObjectId("620467568c7545a0fcf872fc")
    _id: ObjectId("62046ba8a3f154672fe9a0cf"),
    username: 'GoodGuyGreg',
comment: "what's mine is yours!",
    post: ObjectId("620467988c7545a0fcf872fd")
     _id: ObjectId("62046c61a3f154672fe9a0d0"),
    username: 'GoodGuyGreg',
comment: "don't violate the licensing agreement",
    post: ObjectId("620467f18c7545a0fcf872fe")
    _id: ObjectId("62046cd2a3f154672fe9a0d1"),
    username: 'ScumbagSteve',
    comment: "it still isn't clean",
    post: ObjectId("62045bac0394e2fe115d799c")
    _id: ObjectId("62046d44a3f154672fe9a0d2"),
    username: 'ScumbagSteve',
    comment: 'Denied your PR cause I found a hack',
    post: ObjectId("620466f48c7545a0fcf872fb")
```

find all comments that was authored by "GoodGuyGreg"

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

```
Atlas atlas-102tzf-shard-0 [primary] mongo_practice> db.comments.find({username:'ScumbagSteve'})

{
    _id: ObjectId("62046cd2a3f154672fe9a0d1"),
    username: 'ScumbagSteve',
    comment: "it still isn't clean",
    post: ObjectId("62045bac0394e2fe115d799c")
},

{
    _id: ObjectId("62046d44a3f154672fe9a0d2"),
    username: 'ScumbagSteve',
    comment: 'Denied your PR cause I found a hack',
    post: ObjectId("620466f48c7545a0fcf872fb")
}
```

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