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.

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-pjf1s6-shard-0 [primary] person> use ashu
switched to db ashu
Atlas atlas-pjf1s6-shard-0 [primary] mongo_practice> db.createCollection("movies")
{ ok: 1 }
Atlas atlas-pjf1s6-shard-0 [primary] mongo_practice> db.movies.insert([
... {
... title:"fight club",
... writer: "chuck palahniuko",
... year:1999,
... actors:["Brad Pitt", "Edward Norton"],
... }
... {
... title:"Pulp Club",
... writer: "chuck palahniuko",
... year:1994,
... actors:["John Travolta","Uma Thurman"],
... }
... {
... title:"Inglorious Bastard",
... writer:"Quentin Tarantino",
... year:2009,
... actors:["Brad Pitt", "Diana Kruger","Eli Roth"],
... }
... ittle:"The Hobbit: An Unexpected Journey",
... writer: "J.R.R Tolken",
... year:2012,
... franchise:"The Hobbit",
}
```

```
.... title:"The Hobbit: The Battle of the Five Armies",
.... writer: "J.R.R Tolken",
.... year:2013,
.... franchise: The Hobbit",
.... },
... {
.... title:"The Hobbit: The Desolation of Smaug",
.... writer: "J.R.R Tolken",
.... year:2013,
.... franchise: The Hobbit",
.... },
... {
.... title: "Pee Wee Herman's Big Adventure",
.... },
... {
.... title: "Pee Wee Herman's Big Adventure",
.... })
... {
.... title: "Avtar",
.... }])
{
acknowledged: true,
insertedIds: {
    '0': ObjectId("61eee1888565a0f0188d453f"),
    '1': ObjectId("61eee1888565a0f0188d4540"),
    '2': ObjectId("61eee1888565a0f0188d4541"),
    '3': ObjectId("61eee1888565a0f0188d4542"),
    '4': ObjectId("61eee1888565a0f0188d4544"),
    '5': ObjectId("61eee1888565a0f0188d4544"),
    '6': ObjectId("61eee1888565a0f0188d4544"),
    '7': ObjectId("61eee1888565a0f0188d4546")
}
```

1. get all documents

```
},
{
    _id: ObjectId("61eee1888565a0f0188d4543"),
    title: 'The Hobbit: The Battle of the Five Armies',
    writer: 'J.R.R Tolken',
    year: 2013,
    franchise: 'The Hobbit'
},
{
    _id: ObjectId("61eee1888565a0f0188d4544"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R Tolken',
    year: 2013,
    franchise: 'The Hobbit'
},
{
    _id: ObjectId("61eee1888565a0f0188d4545"),
    title: "Pee Wee Herman's Big Adventure"
},
{
    _id: ObjectId("61eee1888565a0f0188d4546"), title: 'Avtar' }

Atlas atlas-pjf1s6-shard-0 [primary] mongo_practice>
```

- 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

- 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.

```
Atlas atlas-pjfis6-shard-0 [primary] mongo_practice> db.movies.update({ 'title' :"The Hobbit: An Unexpected Journey"), ($set:{ 'synopsis': "A reluctant hob bit, Bilbo Baggins, sets out to the lonely Mountain with a spirited ground of dwarves to reclaim their mountain home -and the gold within it -from the dre gon Shaug"})

DeprecationNarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
{
    acknowledged: true,
    insertedId: null,
    modifiedCount: 1,
    upsertedCount: 0
}

Atlas atlas-pjfis6-shard-0 [primary] mongo_practice> 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 reclaim Erebor , their homeland, from Smaug.Bilbo Baggins is in possesion of a mysterious and magical ring."}))

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

Atlas atlas-pjfis6-shard-0 [primary] mongo_practice> db.movies.update({ 'title' :"Pulp Club"}, {$set:{ 'title':"Pulp Fiction"}}))

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

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

```
Atlas atlas-pjf1s6-shard-0 [primary] mongo_practice> db.movies.update({title:"Pulp Fiction"},{$push:{actors:"Samuel L. Jackson"}})

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

Atlas atlas-pjf1s6-shard-0 [primary] mongo_practice> db.movies.find({'title':"Pulp Fiction"})

{
    _id: ObjectId("6leee1888565a0f0188d4540"),
    title: 'Pulp Fiction',
    writer: 'chuck palahniuko',
    year: 1994,
    actors: ['John Trovolta', 'Uma Thurman', 'Samuel L. Jackson']
}

Atlas atlas-pjf1s6-shard-0 [primary] mongo_practice>
```

- 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"

```
Atlas atlas-pjf1s6-shard-0 [primary] mongo_practice> db.movies.find({$text:{$search:"Bilbo -Gandalf"}}).pretty()

{
    _id: ObjectId("61eee1888565a0f0188d4542"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R Tolken',
    year: 2012,
    franchise: 'The Hobbit',
    synopsis: 'A reluctant hobbit,Bilbo Baggins,sets out to the lonely Mountain with a spirited ground of dwarves to reclaim their mountain home -and the gold w
thin it -from the dragon Smaug'
```

- 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"

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

```
Atlas atlas-pjf1s6-shard-0 [primary] myFirstDatabase> db.movies.deleteOne({title:"Pee Wee Herman's Big Adventure"})
{ acknowledged: true, deletedCount: 0 }
Atlas atlas-pjf1s6-shard-0 [primary] myFirstDatabase> db.movies.deleteOne({title:"Avatar"})
{ acknowledged: true, deletedCount: 0 }
Atlas atlas-pjf1s6-shard-0 [primary] myFirstDatabase>
```

```
switched to db users
Atlas atlas-pjf1s6-shard-0 [primary] users> db.users.insert({ username:"GoodGuyGerg", first_name : "Good Guy", last_name
: "Greg", username: "ScumbagSteve", full_name:[{first:"Scumbag",last:"Steve"}]})
{
   acknowledged: true,
   insertedIds: { '0': ObjectId("61f0184a95c222b6b7abc86a") }
}
```

```
Atlas atlas-pjf1s6-shard-0 [primary] comments> db.comments.insertMany([{ username: "GoodGuyGreg", comments: "Hope you go t a good deal!", post: [ObjectId("61f018b595c222b6b7abc86e")] }, { username: "GoodGuyGreg", comments: "Whats's mine is yours", post: [ObjectId("61f018b595c222b6b7abc87e")] }, { username: "GoodGuyGreg", comments: "Dont't violate the licensin g agreement!", post: [ObjectId("61f018b595c222b6b7abc86f")] }, { username: "ScumbagSteve", comments: "It still isn't cle an", post: [ObjectId("61f018b595c222b6b7abc86b")] }, { username: "ScumbagSteve", comments: "Denied your PR cause i found a hack", post: [ObjectId("61f018b595c222b6b7abc86d")] }]) {
   acknowledged: true,
   insertedIds: {
      '0': ObjectId("61f01ecb95c222b6b7abc871"),
      '1': ObjectId("61f01ecb95c222b6b7abc872"),
      '2': ObjectId("61f01ecb95c222b6b7abc873"),
      '3': ObjectId("61f01ecb95c222b6b7abc874"),
      '4': ObjectId("61f01ecb95c222b6b7abc875")
}
```

1. find all users

2. find all posts

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

```
{
    _id: ObjectId("61f006b30639626311bacefe"),
    username: 'ScumbagSteve',
    title: 'Forks Your repo on github',
    body: 'Sets to private'
},

{
    _id: ObjectId("61f006b30639626311baceff"),
    username: 'ScumbagSteve',
    title: 'Borrows everything',
    body: 'The end'
}

tlas atlas-pjf1s6-shard-0 [primary] post> db.post.find({username:"GoodGuyGerg"})

{
    _id: ObjectId("61f006b30639626311bacefb"),
    username: 'GoodGuyGerg',
    title: 'Steals your identity',
    body: 'Raise your credit score'
},

{
    _id: ObjectId("61f006b30639626311bacefc"),
    username: 'GoodGuyGerg',
    title: 'Reports a bug in your code',
    body: 'Sends you a Pull Request'
}
```

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

5. find all comments

```
Atlas atlas-pjf1s6-shard-0 [primary] post> use comments
switched to db comments
Atlas atlas-pjf1s6-shard-0 [primary] comments> db.comments.find()
    _id: ObjectId("61f01ecb95c222b6b7abc871"),
    username: 'GoodGuyGreg',
    comments: 'Hope you got a good deal!',
    post: [ ObjectId("61f018b595c222b6b7abc86e") ]
    _id: ObjectId("61f01ecb95c222b6b7abc872"),
    username: 'GoodGuyGreg',
comments: "Whats's mine is yours",
    post: [ ObjectId("61f018b595c222b6b7abc870") ]
     _id: ObjectId("61f01ecb95c222b6b7abc873"),
    username: 'GoodGuyGreg',
comments: "Dont't violate the licensing agreement!",
    post: [ ObjectId("61f018b595c222b6b7abc86f") ]
    _id: ObjectId("61f01ecb95c222b6b7abc874"),
    username: 'ScumbagSteve',
comments: "It still isn't clean",
    post: [ ObjectId("61f018b595c222b6b7abc86b") ]
```

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

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

```
_id: ObjectId("61f01ecb95c222b6b7abc875"),
    username: 'ScumbagSteve',
    comments: 'Denied your PR cause i found a hack',
    post: [ ObjectId("61f018b595c222b6b7abc86d") ]
}
Atlas atlas-pjf1s6-shard-0 [primary] comments> db.comments.find({username:"ScumbagSteve"})

{
    _id: ObjectId("61f01ecb95c222b6b7abc874"),
    username: 'ScumbagSteve',
    comments: "It still isn't clean",
    post: [ ObjectId("61f01eb95c222b6b7abc86b") ]
},

{
    _id: ObjectId("61f01ecb95c222b6b7abc875"),
    username: 'ScumbagSteve',
    comments: 'Denied your PR cause i found a hack',
    post: [ ObjectId("61f018b595c222b6b7abc86d") ]
}
```

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

```
Atlas atlas-pjf1s6-shard-0 [primary] comments> db.comments.find({post:db.post.findOne({title:"Reports a bug in your code
"})._id})
```