Assignment 1

Query/ Find Documents

1. db.movies.find()
2. db.movies.find({writer: "Quentin Tarantino"})
3. db.movies.find({actors: "Brad Pitt"})
4. db.movies.find({franchise: "The Hobbit"})
5. db.movies.find({$and: [{year: {$gt: 1900}}, {year: {$lt: 2000}}]})
6. db.movies.find({$or: [{year: {$lt: 2000}}, {year: {$gt: 2010}}]})

Update Documents

1. db.movies.update({title: "The Hobbit: An Unexpected Journey"}, {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.update({title: "The Hobbit: The Desolation of Smaug"}, {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.update({title: "Pulp Fiction"}, {$push: {actors: "Samuel L. Jackson"}})

Text Search

1. db.movies.find({synopsis: /.Bilbo./})
2. db.movies.find({synopsis: /.Gandalf./})
3. db.movies.find({$and: [{synopsis: /Bilbo/}, {synopsis: {$not: /Gandalf/}}]})
4. db.movies.find({$or: [{synopsis: /dwarves/}, {synopsis: /hobbit/}]})
5. db.movies.find({ $and: [{ synopsis: /gold/ }, { synopsis: /dragon/ }]})

Delete Documents

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

Relationships

```
db.users.insert([
                              {
                                        username : "GoodGuyGreg",
                                        first_name : "Good Guy",
                                        last_name : "Greg"
                              },
                              {
                                        username : "ScumbagSteve",
                                        full_name : {
```

```
                        first : "Scumbag",
                        last : "Steve",
                }
        }
])




db.posts.insert([
        {
                _id: 1,
                username : "GoodGuyGreg",
                title : "Passes out at party",
                body : "Wakes up early and cleans house",
        },


        {
                _id: 2,
                username : "GoodGuyGreg",
                title : "Steals your identity",
                body : "Raises your credit score",
        },


        {
                _id: 3,
                username : "GoodGuyGreg",
                title : "Reports a bug in your code",
                body : "Sends you a Pull Request",
        },


        {
                _id: 4,
                username : "ScumbagSteve",
                title : "Borrows something",
                body : "Sells it",
        },


        {
                _id: 5,
                username : "ScumbagSteve",
                title : "Borrows everything",
                body : "The end",
        },


        {
                _id: 6,
                username : "ScumbagSteve",
                title : "Forks your repo on github",
                body : "Sets to private",
        },
])


db.comments.insert([
        {
                username : "GoodGuyGreg",
                comment : "Hope you got a good deal!",
                post : 4,
        },
        {
                username : "GoodGuyGreg",
                comment : "What's mine is yours!",
                post : 5,
        },
        {
                username : "GoodGuyGreg",
                comment : "Don't violate the licensing agreement!",
                post : 6,
        },
        {
                username : "ScumbagSteve",
                comment : "It still isn't clean",
                post : 1,
        },
        {
                username : "ScumbagSteve",
                comment : "Denied your PR cause I found a hack",
                post : 3
        },
])
```

Querying related collections

1. db.users.find()
2. db.posts.find()

3. db.posts.find({username: "GoodGuyGreg"})
4. db.posts.find({username: "ScumbagSteve"})
5. db.comments.find()
6. db.comments.find({username: "GoodGuyGreg"})
7. db.comments.find({username: "ScumbagSteve"})
8. db.comments.find({post: db.posts.findOne({title: "Reports a bug in your code"})._id})