ASSIGNMENT 1

1. **Mongo DB exercise in Mongo shell:**

>use mongo\_practice

1. **Inserting Documents:**

> db.Movies.insertOne({title:"The Hobbit:The Desolation of Smaug",writer:"J.R.R.Tolkein",year:"2013",franchise:"The Hobbit"})

> db.Movies.insertOne({title:"Pee Wee Herman's Big Adventure"})

> db.Movies.insertOne({title:"The Hobbit:The Battle of 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."})

> db.Movies.insertOne({title:"Avatar"})

1. **Query/Find Documents:**
   1. > db.Movies.find().pretty()
   2. > db.Movies.find({actors:{$eq:"Brad Pitt"}}).pretty()
   3. > db.Movies.find({writer:{$eq:"Quentin Trantino"}}).pretty()
   4. > db.Movies.find({franchise:{$eq:"The Hobbit"}}).pretty()
   5. > db.Movies.find({year:{$gte:"1990",$lt:"2000"}}).pretty()
   6. > db.Movies.find({$or:[{year:{$lt:"2000"}},{year:{$gt:"2010"}}]}).pretty()
2. **Update Documents:**
   1. > db.Movies.update({title:"The Hobbit:An Unexpected Journey"},{$set:{Synopsis:"A reluctant hobbit,Bilbo Baggins,sets out to the Lonely Mountain with a spirited group of Dwarves to reclaim their mountain home-and the gold within it -from the dragon Smaug."}})
   2. > db.Movies.update({title:"The Hobbit:The Desolation of Smaug"},{$set:{Synopsis:"The >db.Movies.find({$text:{$search:"Bilbo"}}).pretty() 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"},{$push:{actors:"Samuel L.Jackson"}})
3. **Text Search:**
   1. >db.Movies.find({$text:{$search:"Bilbo"}}).pretty()
   2. > db.Movies.find({$text:{$search:"Gandalf"}}).pretty()
   3. > db.Movies.find({$text:{$search:"Bilbo -Gandalf"}}).pretty()
   4. > db.Movies.find({$text:{$search:"dwarves hobbit"}}).pretty()
   5. > db.Movies.find({$text:{$search:"\"gold\"\"dragon\""}}).pretty()
4. **Delete Documents:**
   1. > db.Movies.deleteOne({title:"Pee Wee Herman's Big Adventure"})
   2. > db.Movies.deleteOne({title:"Avatar"})
5. **Querying related collections:**
   1. db.getCollection(‘users’).find({})
   2. db.getCollection(‘posts’).find({})
   3. db.posts.aggregate([{$match: {username: ”GoodGuyGreg”}}])
   4. db.posts.aggregate([{$match: {username: ”ScumbagSteve”}}])
   5. db.getCollection(‘comments’).find({})
   6. db.comments.aggregate([{$match: {username: ”GoodGuyGreg”}}])
   7. db.comments.aggregate([{$match: {username: ”ScumbagSteve”}}])