**LAB ASSIGNMENT 1**

**CREATING AND INSERTING DOCUMENTS**

>use mongo\_practice (Create a database named mongo\_ practice)

>db (To check current database)

>show dbs (To see database list)

>db.createCollection(“movies”) (Created a collection)

>db.movies.insert([

{

tiltle: “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: “Avtar”

}

])

**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"}})

**TEST SEARCH**

1) db.movies.find({$text: {$search: "Bilbo"}})

2) db.movies.find({$text: {$search: "Gandalf"}})

3) db.movies.find({$text: {$search: "Bilbo -Gandalf"}})

4) db.movies.find({$text: {$search: "dwarves hobbit"}})

5) db.movies.find({$text: {$search: "gold dragon"}})

**DELETE DOCUMENTS**

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

2) db.movies.remove({title: "Avatar"})

**QUERYING RELATED TO 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"})