**MongoDB Lab Assignment Day-1**

**Insert Document**

use mango\_practice;

1. db.movies.insert({"title": "Fight Club","writer": "Chuck Palahniuko","year": "1999","actors": ["Brad Pitt”,”Edward Norton"]});

2. db.movies.insert({"title": "Pulp Fiction","writer": "Quentin Tarantino","year": "1994","actors": ["John Travolta”,”Uma Thurman"]});

3. db.movies.insert({"title": "Inglorious Basterds","writer": " Quentin Tarantino ","year": "2009","actors": ["Brad Pitt”,”Diane Kruger”,”Eli Roth"]});

4. db.movies.insert({"title": "The Hobbit: An Unexpected Journey","writer": "J.R.R. Tolkein","year": "2012","franchise": "The Hobbit"});

5. db.movies.insert({"title": "The Hobbit: The Desolation Of Smaug","writer": "J.R.R. Tolkein","year": "2013","franchise": "The Hobbit"});

6. db.movies.insert({"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"});

7. db.movies.insert({"title": "Pee Wee Herman's Big Adventure"});

8. db.movies.insert({"title": "Avatar"});

**Query/Find Documents**

1. db.movies.find().pretty();

2. db.movies.find({"writer": "Quentin Tarantino"}).pretty();

3. db.movies.find({"actors": "Brad Pitt"}).pretty();

4. db.movies.find({"franchise": "The Hobbit"}).pretty();

5. db.movies.find({"year":{$gte: “1990”,$lte: “1999”}}).pretty();

6. db.movies.find({$or:[{"year":{$lte: ”2000”}},{"year":{$gte: ”2010”}}]}).pretty();

**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 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"},{$set:{"actors":"Samuel L.Jackson"}});

**Text Search**

1. db.movies.find({synopsis: /.Bilbo./}).pretty()

2. db.movies.find({synopsis: /.Gandalf./}).pretty()

3. db.movies.find({$and: [{synopsis: /.Bilbo./}, {synopsis: /.^Gandalf./}]}).pretty()

4. db.movies.find({$or: [{synopsis: /dwarves/}, {synopsis: /hobbit/}]}).pretty()

5. db.movies.find({$and: [{synopsis: /gold/}, {synopsis: /dragon/}]}).pretty()

**Delete Documents**

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

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

**Relationships**

1. db.users.insert({ "username": "GoodGuyGreg", "first\_name": "Good Guy", "last\_name": "Greg" });
2. db.users.insert({"username": "ScumbagSteve","full\_name": {"first": "Scumbag", "last": "Steve"}});
3. db.posts.insert({"username": "GoodGuyGreg","title": "Passes out at party","body": "Wakes up early and cleans house"});
4. db.posts.insert({"username": "GoodGuyGreg","title": "Steals your identity","body": "Raises your credit score"});
5. db.posts.insert({"username": "GoodGuyGreg","title": "Reports a bug in your code","body": "Sends you a Pull Request"});
6. db.posts.insert({"username": "ScumbagSteve","title": "Borrows something","body": "Sells it"});
7. db.posts.insert({"username": "ScumbagSteve","title": "Borrows everything","body": "The end"});
8. db.posts.insert({"username": "ScumbagSteve","title": "Forks your repo on github","body": "Sets to private"});
9. db.comments.insert({"username": "GoodGuyGreg","comment": "Hope you got a good deal!","post": ObjectId("60e024534dfa5b4cf5b31829")});
10. db.comments.insert({"username": "GoodGuyGreg","comment": "What's mine is yours!","post": ObjectId("60e024814dfa5b4cf5b3182a")});
11. db.comments.insert({"username": "GoodGuyGreg","comment": "Don't violate the licensing agreement!","post": ObjectId("60e024c04dfa5b4cf5b3182b")});
12. db.comments.insert({"username": "ScumbagSteve","comment": "It still isn't clean","post": ObjectId("60e022da4dfa5b4cf5b31826")});
13. db.comments.insert({"username": "ScumbagSteve","comment": "Denied your PR cause I found a hack","post": ObjectId("60e023e34dfa5b4cf5b31828")});

**Querying related collections**

1. db.users.find().pretty();
2. db.posts.find().pretty();
3. db.posts.find({"username": "GoodGuyGreg"}).pretty();
4. db.posts.find({"username": "ScumbagSteve"}).pretty();
5. db.comments.find().pretty();
6. db.comments.find({"username": "GoodGuyGreg"}).pretty();
7. db.comments.find({"username": "ScumbagSteve"}).pretty();
8. db.comments.find({"post": ObjectId("60e024c04dfa5b4cf5b3182b")}).pretty();