

MangoDB Assignment

1. get all documents

A) db.movies.find()

```
db> db.movies.find()

{
  _id: ObjectId("63887412eddac6f5735edfd5"),
  title: 'Flight Club',
  write: 'Chuck Palahniuk',
  year: 1999,
  actors: [ 'Brad Pitt', 'Edward Norton' ]
},
{
  _id: ObjectId("63887490eddac6f5735edfd6"),
  title: 'Pulp Fiction',
  writer: 'Quentin Tarantino',
  year: 1994,
  actors: [ 'John Tarantino', 'Uma Thurman' ]
},
{
  _id: ObjectId("638874ffeddac6f5735edfd7"),
  title: 'Inglorious Basterds',
  writer: 'Quentin tarantino',
  year: 2009,
  actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli roth' ]
},
{
  _id: ObjectId("63887580eddac6f5735edfd8"),
  title: 'The Hobbit:An Unexpected Journey',
  writer: 'J.R.R.Tolkein',
  year: 2012,
  franchise: 'The Hobbit'
},
{
  _id: ObjectId("638875e6eddac6f5735edfd9"),
  title: 'The Hobbit: The Desolation of Smaug',
  writer: 'J.R.R.Tolkein',
  year: 2013,
  franchise: 'The Hobbit'
},
{
  _id: ObjectId("63887697eddac6f5735edfda"),
  title: 'The Hobbit: The battle of the five Armies',
  writer: 'J.R.R.Tolkien',
  year: 2012,
  franchise: 'The Hobbit',
  synopsis: 'Bilbo and Company are forced to engage in a war against an array'
}
```

2. get all documents with writer set to "Quentin Tarantino"

A) db.movies.find({writer:"quentin Tarantino"})

```
b> db.movies.find({writer:"Quentin Tarantino"})
{
  _id: ObjectId("63887490eddac6f5735edfd6"),
  title: 'Pulp Fiction',
  writer: 'Quentin Tarantino',
  year: 1994,
  actors: [ 'John Tarantino', 'Uma Thurman' ]
}
```

3. get all documents where actors include "Brad Pitt"

A) db.movies.find({actors:"Brad Pitt"})

```
b> db.movies.find({actors:"Brad Pitt"})
[
  {
    _id: ObjectId("63887412eddac6f5735edfd5"),
    title: 'Flight Club',
    write: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId("638874ffeddac6f5735edfd7"),
    title: 'Inglorious Basterds',
    writer: 'Quentin tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli roth' ]
  }
]
```

4. get all documents with franchise set to "The Hobbit"

A)db.movies.find({franchise:"The Hobbit"})

```
b> db> db.movies.find({franchise:"The Hobbit"})
```

5. get all movies released in the 90s

A) db.movies.find({year:{\$lt:2000,\$gt:1899}})

```

b> db.movies.find({year:{$lt:2000,$gt:1899}})

{
  _id: ObjectId("63887412eddac6f5735edfd5"),
  title: 'Flight Club',
  write: 'Chuck Palahniuk',
  year: 1999,
  actors: [ 'Brad Pitt', 'Edward Norton' ]
},
{
  _id: ObjectId("63887490eddac6f5735edfd6"),
  title: 'Pulp Fiction',
  writer: 'Quentin Tarantino',
  year: 1994,
  actors: [ 'John Tarantino', 'Uma Thurman' ]
}

```

6. get all movies released before the year 2000 or after 2010

A) `db.movies.find({$or:[{year:{$lt:2000}},{year:{$gt:2010}]})`

```
> db.movies.find({$or:[{year:{$lt:2000}},{year:{$gt:2010}}]})
{
  _id: ObjectId("63887412eddac6f5735edfd5"),
  title: 'Flight Club',
  write: 'Chuck Palahniuk',
  year: 1999,
  actors: [ 'Brad Pitt', 'Edward Norton' ]
},
{
  _id: ObjectId("63887490eddac6f5735edfd6"),
  title: 'Pulp Fiction',
  writer: 'Quentin Tarantino',
  year: 1994,
  actors: [ 'John Tarantino', 'Uma Thurman' ]
},
{
  _id: ObjectId("63887580eddac6f5735edfd8"),
  title: 'The Hobbit:An Unexpected Journey',
  writer: 'J.R.R.Tolkein',
  year: 2012,
  franchise: 'The Hobbit'
},
{
  _id: ObjectId("638875e6eddac6f5735edfd9"),
  title: 'The Hobbit: The Desolation of Smaug',
  writer: 'J.R.R.Tolkein',
  year: 2013,
  franchise: 'The Hobbit'
},
{
  _id: ObjectId("63887697eddac6f5735edfda"),
  title: 'The Hobbit: The battle of the five Armies',
  writer: 'J.R.R.Tolkien',
  year: 2012,
  franchise: 'The Hobbit',
  synopsis: 'Bilbo and Company are forced to engage in a war against an
```

7. count the number of writer from the movie collection

A)db.movies.find().count("writer")

```
db> db.movies.find().count("Writer")
5
```

8. update an actor named "Samuel L. Jackson" to the movie "Pulp Fiction"

A) db.movies.update({actors:"Samuel L.Jackson"},{\$set:{actors:"Pulp Fiction"}})

```
b> db.movies.update({actors:"Samuel L.Jackson"},{$set:{actors:"Pulp Fiction"}})
deprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.{
  acknowledged: true,
  insertedId: null,
  matchedCount: 0,
  modifiedCount: 0,
  upsertedCount: 0
```

9. find all movies that have a synopsis that contains the word "Gandalf"

A) db.movies.find({synopsis:{\$regex:"Gandalf"}})

```
b> db.movies.find({synopsis:{$regex:"Gandalf"}})
```

10. display the movie collection based on year in descending order.

A) db.movies.find().sort({year:-1})

```

db> db.movies.find().sort({year:-1})
{
  {
    _id: ObjectId("638875e6eddac6f5735edfd9"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R.Tolkein',
    year: 2013,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("63887580eddac6f5735edfd8"),
    title: 'The Hobbit:An Unexpected Journey',
    writer: 'J.R.R.Tolkein',
    year: 2012,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("63887697eddac6f5735edfda"),
    title: 'The Hobbit: The battle of the five Armies',
    writer: 'J.R.R.Tolkien',
    year: 2012,
    franchise: 'The Hobbit',
    synopsis: 'Bilbo and Company are forced to engage in a war against an
  },
  {
    _id: ObjectId("638874ffeddac6f5735edfd7"),
    title: 'Inglorious Basterds',
    writer: 'Quentin tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli roth' ]
  },
  {
    _id: ObjectId("63887412eddac6f5735edfd5"),
    title: 'Flight Club',
    write: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId("63887490eddac6f5735edfd6"),
    title: 'Pilp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Tarantino', 'Uma Thurman' ]
  }
}

```

11. Display last two recent movie .

A) db.movies.find().sort({year:-1}).limit(2)

```
]
db> db.movies.find().sort({year:-1}).limit(2)
[
  {
    _id: ObjectId("638875e6eddac6f5735edfd9"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R.Tolkein',
    year: 2013,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("63887580eddac6f5735edfd8"),
    title: 'The Hobbit:An Unexpected Journey',
    writer: 'J.R.R.Tolkein',
    year: 2012,
    franchise: 'The Hobbit'
  }
]
```