1. get all documents

Ans:-aircraft> db.movies.find().pretty()

[

{

\_id: ObjectId("6388750465f0e600a0c898c0"),

title: 'Fight Club',

writer: 'Quentin Tarantino',

year: 1999,

actors: [ 'Brad Pitt', 'Edward Norton' ]

},

{

\_id: ObjectId("6388750465f0e600a0c898c1"),

title: 'Pulp Fiction',

writer: 'Quentin Tarantino',

year: 1994,

actors: [ 'John Travolta', 'Uma Thurman' ]

},

{

\_id: ObjectId("6388750465f0e600a0c898c2"),

title: 'Inglorious Basterds',

writer: 'Quentin Tarantino',

year: 2009,

actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]

},

{

\_id: ObjectId("6388750465f0e600a0c898c3"),

title: 'The Hobbit : An Unexpected Journey',

writer: 'Quentin Tarantino',

year: 2012,

franchise: 'The Hobbit'

},

{

\_id: ObjectId("6388750465f0e600a0c898c4"),

title: 'The Hobbit, The Desolation of Smaug',

writer: 'Quentin Tarantino',

year: 2013,

franchise: 'The Hobbit'

},

{

\_id: ObjectId("6388750465f0e600a0c898c5"),

title: 'The Hobbit: The Battle of The Five Armies',

writer: 'Quentin Tarantino',

year: 2012,

franchise: 'The Hobbit',

Synopsis: 'Bilbo and Company are forced to engage in a war against an arrat of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness'

}

]

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

Ans: -aircraft> db.movies.find({writer:"Quentin Tarantino"})

[

{

\_id: ObjectId("638889a065f0e600a0c898ce"),

title: 'Pulp Fiction',

writer: 'Quentin Tarantino',

year: 1994,

actors: [ 'John Travolta', 'Uma Thurman' ]

},

{

\_id: ObjectId("638889a065f0e600a0c898cf"),

title: 'Inglorious Basterds',

writer: 'Quentin Tarantino',

year: 2009,

actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]

}

]

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

Ans: -aircraft> db.movies.find({writer:"Quentin Tarantino"})

[

{

\_id: ObjectId("638889a065f0e600a0c898ce"),

title: 'Pulp Fiction',

writer: 'Quentin Tarantino',

year: 1994,

actors: [ 'John Travolta', 'Uma Thurman' ]

},

{

\_id: ObjectId("638889a065f0e600a0c898cf"),

title: 'Inglorious Basterds',

writer: 'Quentin Tarantino',

year: 2009,

actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]

}

]

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

Ans: -aircraft> db.movies.find({actors:{$in:["Brad Pitt"]}})

[

{

\_id: ObjectId("638889a065f0e600a0c898cd"),

title: 'Fight Club',

writer: 'Chuck Palanhniuk',

year: 1999,

actors: [ 'Brad Pitt', 'Edward Norton' ]

},

{

\_id: ObjectId("638889a065f0e600a0c898cf"),

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"

Ans:- aircraft> db.movies.find({franchise:"The Hobbit"})

[

{

\_id: ObjectId("638889a065f0e600a0c898d0"),

title: 'The Hobbit : An Unexpected Journey',

writer: 'J.R.R.Tolkein',

year: 2012,

franchise: 'The Hobbit'

},

{

\_id: ObjectId("638889a065f0e600a0c898d1"),

title: 'The Hobbit, The Desolation of Smaug',

writer: 'J.R.R.Tolkein',

year: 2013,

franchise: 'The Hobbit'

},

{

\_id: ObjectId("638889a065f0e600a0c898d2"),

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 arrat of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness'

}

]

5) get all movies released in the 90s

Ans: -aircraft> db.movies.find({year:{$gt:1900,$lt:2000}})

[

{

\_id: ObjectId("638889a065f0e600a0c898cd"),

title: 'Fight Club',

writer: 'Chuck Palanhniuk',

year: 1999,

actors: [ 'Brad Pitt', 'Edward Norton' ]

},

{

\_id: ObjectId("638889a065f0e600a0c898ce"),

title: 'Pulp Fiction',

writer: 'Quentin Tarantino',

year: 1994,

actors: [ 'John Travolta', 'Uma Thurman' ]

}

]

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

Ans: -aircraft> db.movies.find({$or:[{year:{$lt:2000}},{year:{$gt:2010}}]})

[

{

\_id: ObjectId("638889a065f0e600a0c898cd"),

title: 'Fight Club',

writer: 'Chuck Palanhniuk',

year: 1999,

actors: [ 'Brad Pitt', 'Edward Norton' ]

},

{

\_id: ObjectId("638889a065f0e600a0c898ce"),

title: 'Pulp Fiction',

writer: 'Quentin Tarantino',

year: 1994,

actors: [ 'John Travolta', 'Uma Thurman' ]

},

{

\_id: ObjectId("638889a065f0e600a0c898d0"),

title: 'The Hobbit : An Unexpected Journey',

writer: 'J.R.R.Tolkein',

year: 2012,

franchise: 'The Hobbit'

},

{

\_id: ObjectId("638889a065f0e600a0c898d1"),

title: 'The Hobbit, The Desolation of Smaug',

writer: 'J.R.R.Tolkein',

year: 2013,

franchise: 'The Hobbit'

},

{

\_id: ObjectId("638889a065f0e600a0c898d2"),

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 arrat of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness'

}

]

7) count the number of writer from the movie collection

Ans: -aircraft> db.movies.distinct("writer").length

3

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

Ans: -aircraft> db.movies.update({title:"Pulp Fiction"},{$set:{actors:"Samuel L. Jackson"}})

DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.

{

acknowledged: true,

insertedId: null,

matchedCount: 1,

modifiedCount: 1,

upsertedCount: 0

}

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

Ans: -aircraft> db.movies.find({synopsis:"Gandalf"})

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

Ans: -aircraft> db.movies.find().sort({year:-1})

[

{

\_id: ObjectId("638889a065f0e600a0c898d1"),

title: 'The Hobbit, The Desolation of Smaug',

writer: 'J.R.R.Tolkein',

year: 2013,

franchise: 'The Hobbit'

},

{

\_id: ObjectId("638889a065f0e600a0c898d0"),

title: 'The Hobbit : An Unexpected Journey',

writer: 'J.R.R.Tolkein',

year: 2012,

franchise: 'The Hobbit'

},

{

\_id: ObjectId("638889a065f0e600a0c898d2"),

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 arrat of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness'

},

{

\_id: ObjectId("638889a065f0e600a0c898cf"),

title: 'Inglorious Basterds',

writer: 'Quentin Tarantino',

year: 2009,

actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]

},

{

\_id: ObjectId("638889a065f0e600a0c898cd"),

title: 'Fight Club',

writer: 'Chuck Palanhniuk',

year: 1999,

actors: [ 'Brad Pitt', 'Edward Norton' ]

},

{

\_id: ObjectId("638889a065f0e600a0c898ce"),

title: 'Pulp Fiction',

writer: 'Quentin Tarantino',

year: 1994,

actors: 'Samuel L. Jackson'

}

]

11) Display last two recent movie .

Ans: -aircraft> db.movies.find().limit(2).sort({$natural:-1})

[

{

\_id: ObjectId("638889a065f0e600a0c898d2"),

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 arrat of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness'

},

{

\_id: ObjectId("638889a065f0e600a0c898d1"),

title: 'The Hobbit, The Desolation of Smaug',

writer: 'J.R.R.Tolkein',

year: 2013,

franchise: 'The Hobbit'

}

]