

mongoinsert the following documents into a movies collection.

```
title : Fight Club
writer : Chuck Palahniuk
year : 1999
actors : [
  Brad Pitt
  Edward Norton
]
```

```
title : Pulp Fiction
writer : Quentin Tarantino
year : 1994
actors : [pulpQ
  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.
```

## 1. get all documents

mongosh mongod://127.0.0.1:27017/dbs?directConnection=true&serverSelectionTimeoutMS=2000

```
db> db.movies.find().pretty()
[
  {
    _id: ObjectId("63045ff7194c112fed9b4819"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: '1999',
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId("6304608c194c112fed9b481a"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: '2009',
    actors: 'Samuel L. Jackson'
  },
  {
    _id: ObjectId("63049b4fa92e4b3472b55238"),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: '2009',
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  },
  {
    _id: ObjectId("63049cb4a92e4b3472b55239"),
    title: 'The Habbit: An unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: '2012',
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("63049d23a92e4b3472b5523a"),
    title: 'The Habbit: The Deslotion of Smaug',
    writer: 'J.R.R Tolkien',
    year: '2013',
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("63049dbea92e4b3472b5523b"),
    title: 'The Habbit: The Battle of the five Armies',
    writer: 'J.R.R Tolkien',
    year: '2002',
    franchise: 'The Hobbit'
  }
]
```

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Select mongosh mongodb://127.0.0.1:27017/dbs?directConnection=true&serverSelectionTimeoutMS=2000

```
[
  {
    _id: ObjectId("63049dbea92e4b3472b5523b"),
    title: 'The Hobbit: The Battle of the five Armies',
    writer: 'J.R.R Tolkien',
    year: '2002',
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("63058a49a992357a56f2afa1"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: '2009',
    actors: [ 'John Travolta', 'Uma Thurman' ]
  }
]
```

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

```
]
dbs> db.movies.find({writer:"Quentin Tarantino"})
[
  {
    _id: ObjectId("6304608c194c112fed9b481a"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: '2009',
    actors: [ 'John Travolta', 'Uma Thurman' ]
  },
  {
    _id: ObjectId("63049b4fa92e4b3472b55238"),
    title: 'Inglirious Basterds',
    writer: 'Quentin Tarantino',
    year: '2009',
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  }
]
```

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

```
]
dbs> db.movies.find({actors:"Brad Pitt"})
[
  {
    _id: ObjectId("63045ff7194c112fed9b4819"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: '1999',
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId("63049b4fa92e4b3472b55238"),
    title: 'Inglirious Basterds',
    writer: 'Quentin Tarantino',
    year: '2009',
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  }
]
```

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

mongosh mongodb://127.0.0.1:27017/dbs?directConnection=true&serverSelectionTimeoutMS=2000

```
db> db.movies.find({franchise:"The Hobbit"})
[
  {
    _id: ObjectId("63049cb4a92e4b3472b55239"),
    title: 'The Habbit: An unexpected Journey',
    writer: 'J.R>R. Tolkein',
    year: '2012',
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("63049d23a92e4b3472b5523a"),
    title: 'The Habbit: The Deslotion of Smaug',
    writer: 'J.R.R Tolkien',
    year: '2013',
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("63049dbea92e4b3472b5523b"),
    title: 'The Hobbit: The Battle of the five Armies',
    writer: 'J.R.R Tolkien',
    year: '2002',
    franchise: 'The Hobbit'
  }
]
```

5.get all movies released in the 90s

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

7.count the number of writer from the movie collection

```
}
]
db> db.movies.countDocuments()
6
db> db.movies.aggregate({$count:"writer"})
[ { writer: 6 } ]
```

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

```
db> db.movies.updateOne({"title":"Pulp Fiction"},{$set:{"actors":"Samuel L. Jackson"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
db> _
```

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

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

```
mongosh mongodb://127.0.0.1:27017/dbs?directConnection=true&serverSelectionTimeoutMS=2000
dbs> db.movies.find().sort({year:-1})
[
  {
    _id: ObjectId("63049d23a92e4b3472b5523a"),
    title: 'The Habbit: The Deslotion of Smaug',
    writer: 'J.R.R Tolkien',
    year: '2013',
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("63049cb4a92e4b3472b55239"),
    title: 'The Habbit: An unexpected Journey',
    writer: 'J.R>R. Tolkein',
    year: '2012',
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("6304608c194c112fed9b481a"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: '2009',
    actors: [ 'John Travolta', 'Uma Thurman' ]
  },
  {
    _id: ObjectId("63049b4fa92e4b3472b55238"),
    title: 'Inglinious Basterds',
    writer: 'Quentin Tarantino',
    year: '2009',
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  },
  {
    _id: ObjectId("63049dbea92e4b3472b5523b"),
    title: 'The Hobbit: The Battle of the five Armies',
    writer: 'J.R.R Tolkien',
    year: '2002',
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("63045ff7194c112fed9b4819"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: '1999',
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  }
]
```

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11.Display last two recent movie .

```
]
dbs> db.movies.find().sort({year:-1}).limit(2)
[
  {
    _id: ObjectId("63049d23a92e4b3472b5523a"),
    title: 'The Habbitt: The Deslotion of Smaug',
    writer: 'J.R.R Tolkien',
    year: '2013',
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("63049cb4a92e4b3472b55239"),
    title: 'The Habbitt: An unexpected Journey',
    writer: 'J.R>R. Tolkein',
    year: '2012',
    franchise: 'The Hobbit'
  }
]
```