

insert 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 : [
 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

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

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

```
>db.movies.find({}, {"writer":"Quentin Tarantino"}).pretty()
```

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

```
>db.movies.find({}, {"actors":"Brad Pitt"}).pretty()
```

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

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

5. get all movies released in the 90s

```
>db.movies.find({$and: [{ "year":{$gt: 1900}}, {"year":{$lt:2000}}]}).pretty()
```

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

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

7. count the number of writer from the movie collection

```
>db.movies.find({"_id":0}).count().pretty()
```

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

```
>db.movies.update({"title":"Pulp Ffiction"}, {$push:{"actors":Samuel L. Jackson}})
```

```
>db.movies.find({}, {"title":"Pulp Fiction"}).pretty()
```

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

```
>db.movies.find({}, {$text:{$search:"Gandalf"}}).pretty()
```

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

```
>db.movies.find().sort({"year":-1}).pretty()
```

11. Display last two recent movie .

```
>db.movies.find().sort({"year":1}).pretty().limit(2)
```

