

Questions

1. get all documents

`db.movies.find()`

```
task> db.movies.find()
[
  {
    _id: ObjectId("638876958c8dc9a921c16f2a"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2b"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman', 'Samuel L. Jackson' ]
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2c"),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2d"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkien',
    year: 2012,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2e"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkien',
    year: 2013,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2f"),
    title: 'The Hobbit: The Battle of the Five Armies',
  }
]
```

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

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

```
task> db.movies.find({writer:"Quentin Tarantino"})
[
  {
    _id: ObjectId("638876958c8dc9a921c16f2b"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman', 'Samuel L.Jackson' ]
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2c"),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  }
]
```

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

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

```
task> db.movies.find({actors:"Brad Pitt"})
[
  {
    _id: ObjectId("638876958c8dc9a921c16f2a"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2c"),
    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"

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

```
task> db.movies.find({franchise:"The Hobbit"})
[
  {
    _id: ObjectId("638876958c8dc9a921c16f2d"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkien',
    year: 2012,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2e"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkien',
    year: 2013,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2f"),
    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 of combatants and keep the Lonely Mountain from falling into the hands of a rising darkness'
  }
]
```

5. get all movies released in the 90s

`db.movies.find({year:{$gt:1990,$lt:2000}})`

```
]
task> db.movies.find({year:{$gt:1990,$lt:2000}})
[
  {
    _id: ObjectId("638876958c8dc9a921c16f2a"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2b"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman', 'Samuel L.Jackson' ]
  }
]
```

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

`db.movies.find({$or:[{year:{<2000}},{year:{>2010}}]})`

```
]
task> db.movies.find({$or:[{year:{<2000}},{year:{>2010}}]})
[
  {
    _id: ObjectId("638876958c8dc9a921c16f2a"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2b"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman', 'Samuel L.Jackson' ]
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2d"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2e"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: 2013,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2f"),
    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 again
    rising darkness'
  }
]
```

7. count the number of writer from the movie collection

```
db.movies.distinct("writer")
db.movies.distinct("writer").length
```

```
task> db.movies.distinct("writer")
[ 'Chuck Palahniuk', 'J.R.R. Tolkein', 'Quentin Tarantino' ]
task> db.movies.distinct("writer").length
3
```

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

```
db.movies.update({_id:ObjectId("638876958c8dc9a921c16f2b")},{ $push:{actors:"Samuel L.Jackson"}})
```

```
task> db.movies.update({_id:ObjectId("638876958c8dc9a921c16f2b")},{ $push:{actors:"Samuel L.Jackson"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

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

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

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

task>
```

No words found..

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

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

```
task> db.movies.find().sort({year:-1})
[
  {
    _id: ObjectId("638876958c8dc9a921c16f2e"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: 2013,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2d"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2f"),
    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  
hands of a rising darkness'
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2c"),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2a"),
```



```
franchise: 'The Hobbit',
synopsis: 'Bilbo and Company are forced to engage in a war  
hands of a rising darkness'
},
{
  _id: ObjectId("638876958c8dc9a921c16f2c"),
  title: 'Inglorious Basterds',
  writer: 'Quentin Tarantino',
  year: 2009,
  actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
},
{
  _id: ObjectId("638876958c8dc9a921c16f2a"),
  title: 'Fight Club',
  writer: 'Chuck Palahniuk',
  year: 1999,
  actors: [ 'Brad Pitt', 'Edward Norton' ]
},
{
  _id: ObjectId("638876958c8dc9a921c16f2b"),
  title: 'Pulp Fiction',
  writer: 'Quentin Tarantino',
  year: 1994,
  actors: [
    'John Travolta',
    'Uma Thurman',
    'Samuel L.Jackson',
    'Samuel L.Jackson'
  ]
}
```

11. Display last two recent movie .

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

```
task> db.movies.find().sort({year:-1}).limit(2)
[
  {
    _id: ObjectId("638876958c8dc9a921c16f2e"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: 2013,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("638876958c8dc9a921c16f2d"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit'
  }
]
```