

## MongoDB Assignment by Devesh Chaudhary

```
mongo
use mongo_practice
db.createCollection("movies")
db.movies.insertMany([
{
title : "Fight Club",
writer : "Chuck Palahniuko",
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"
},
{
title : "Pee Wee Herman's Big Adventure"
},
{
title : "Avatar"
}
])

```

### **Find:**

```

1)db.movies.find().pretty()
2)db.movies.find({ writer: "Quentin Tarantino"}).pretty()
3)db.movies.find({ actors: "Brad Pitt"}).pretty()
4)db.movies.find({ franchise: "The Hobbit"}).pretty()
5) db.movies.find({ $and:[ { year:{$gte:1990}}, { year:
{$lt:2000}} ] }).pretty()
6)db.movies.find({ $or:[ { year:{$lt:2000}}, { year:{$gt:2010}} ] })

```

### **Update:**

```

1)db.movies.updateOne({ title:"The Hobbit: An Unexpected
Journey"},

```

```
{ $set:{ synopsis:"A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home - and the gold within it - from the dragon Smaug." } })
```

```
2)db.movies.updateOne({ title:"The Hobbit: The Desolation of Smaug" },
```

```
{ $set:{ synopsis:"The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is in possession of a mysterious and magical ring." } })
```

```
3)db.movies.updateOne({ title:"Pulp Fiction" },{$addToSet: {actors:"Samuel L. Jackson" } })
```

### **Search:**

```
db.movies.createIndex({ synopsis:"text" })
```

```
1)db.movies.find({ $text:{ $search:"Bilbo" } }).pretty()
```

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

```
3)db.movies.find({ $and:[ { synopsis:{ $regex:"Bilbo" } }, { synopsis: { $not:/Gandalf/ } } ] }).pretty()
```

```
4)db.movies.find({ $or:[ { synopsis:{ $regex:"dwarves" } }, { synopsis: { $regex:"hobbit" } } ] }).pretty()
```

```
5)db.movies.find({ $and:[ { synopsis:{ $regex:"gold" } }, { synopsis: { $regex:"dragon" } } ] }).pretty()
```

### **Delete:**

```
1)db.movies.remove({ title:"Pee Wee Herman's Big Adventure" })
```

```
2)db.movies.remove({ title:"Avatar" })
```

### **Collections:**

```
1) db.users.find().pretty()
```

```
2)db.posts.find().pretty()
```

```
3)db.posts.find({ username:"GoodGuyGreg" }).pretty()
```

```
4)db.posts.find({ username:"ScumbagSteve" }).pretty()
```

```
5)db.comments.find().pretty()
```

```
6)db.comments.find({ username:"GoodGuyGreg" }).pretty()
```

```
7)db.comments.find({ username:"ScumbagSteve" }).pretty()
```

```
8)db.comments.find({ post:{ $regex:"Reports a bug in your code" } })
```