

1. CREAR UNA BASE DE DATOS CON EL NOMBRE "DB_MOVIES"

use DB_MOVIES;

switched to db DB_MOVIES

2. CREAR UNA COLECCIÓN CON EL NOMBRE "MOVIES"

db.createCollection("MOVIES")

{ "ok" : 1 }

3. INSERTAR LOS SIGUIENTES DOCUMENTOS:

title : Fight Club

writer : Chuck Palahniuk

year : 1999

sinopsis: Lucha

actors : [

Brad Pitt

Edward Norton

]

title : Pulp Fiction

writer : Quentin Tarantino

year : 1994

sinopsis: Lucha

actors : [

John Travolta

Uma Thurman

]

title : Inglorious Basterds

writer : Quentin Tarantino

year : 2009

sinopsis: Lucha

actors : [

Brad Pitt

Diane Kruger

Eli Roth

]

title : The Hobbit: An Unexpected Journey

writer : J.R.R. Tolkein

year : 2012

sinopsis: Lucha

franchise : The Hobbit

title : The Hobbit: The Desolation of Smaug

writer : J.R.R. Tolkein

year : 2013

sinopsis: Lucha

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.

```
db.MOVIES.insertMany([
```

```
... {
```

```
... title: "Fight Club",
```

```
... writer: "Chuck Palahniuk",
```

```
... year: 1999,
```

```
... sinopsis: "Lucha",
```

```
... actors: ["Brad Pitt", "Edward Norton"]
```

```
... },
```

```
... {
```

... title: "Pulp Fiction",
... writer: "Quentin Tarantino",
... year: 1994,
... synopsis: "Lucha",
... actors: ["John Travolta", "Uma Thurman"]
... },
... {
... title: "Inglorious Basterds",
... writer: "Quentin Tarantino",
... year: 2009,
... synopsis: "Lucha",
... actors: ["Brad Pitt", "Diane Kruger", "Eli Roth"]
... },
... {
... title: "The Hobbit: An Unexpected Journey",
... writer: "J.R.R. Tolkein",
... year: 2012,
... synopsis: "Lucha",
... franchise: "The Hobbit"
... },
... {
... title: "The Hobbit: The Desolation of Smaug",
... writer: "J.R.R. Tolkein",
... year: 2013,
... synopsis: "Lucha",
... franchise: "The Hobbit"
... },
... {
... title: "The Hobbit: The Battle of the Five Armies",

```

... year: 2012,
... 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"against an array of
combatants and keep
... }
... ]);
{
"acknowledged" : true,
"insertedIds" : [
ObjectId("64ed2804e76e55934dcad213"),
ObjectId("64ed2804e76e55934dcad214"),
ObjectId("64ed2804e76e55934dcad215"),
ObjectId("64ed2804e76e55934dcad216"),
ObjectId("64ed2804e76e55934dcad217"),
ObjectId("64ed2804e76e55934dcad218")
]
}

```

4. REALIZAR LAS SIGUIENTES BUSQUEDAS

- Obtener todos los documentos

```

db.MOVIES.find();

{ "_id" : ObjectId("64ed2804e76e55934dcad213"), "title" : "Fight Club", "writer" : "Chuck
Palahniuk", "year" : 1999, "sinopsis" : "Lucha", "actors" : [ "Brad Pitt", "Edward Norton" ] }

{ "_id" : ObjectId("64ed2804e76e55934dcad214"), "title" : "Pulp Fiction", "writer" : "Quentin
Tarantino", "year" : 1994, "sinopsis" : "Lucha", "actors" : [ "John Travolta", "Uma Thurman" ] }

{ "_id" : ObjectId("64ed2804e76e55934dcad215"), "title" : "Inglorious Basterds", "writer" :
"Quentin Tarantino", "year" : 2009, "sinopsis" : "Lucha", "actors" : [ "Brad Pitt", "Diane Kruger", "Eli
Roth" ] }

{ "_id" : ObjectId("64ed2804e76e55934dcad216"), "title" : "The Hobbit: An Unexpected Journey",
"writer" : "J.R.R. Tolkein", "year" : 2012, "sinopsis" : "Lucha", "franchise" : "The Hobbit" }

```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad217"), "title" : "The Hobbit: The Desolation of Smaug",  
"writer" : "J.R.R. Tolkein", "year" : 2013, "sinopsis" : "Lucha", "franchise" : "The Hobbit" }
```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad218"), "title" : "The Hobbit: The Battle of the Five  
Armies", "year" : 2012, "franchise" : "The Hobbit", "sinopsis" : "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" }
```

- Obtener documentos con writer igual a "Quentin Tarantino"

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

```
{ "_id" : ObjectId("64ed2804e76e55934dcad214"), "title" : "Pulp Fiction", "writer" : "Quentin  
Tarantino", "year" : 1994, "sinopsis" : "Lucha", "actors" : [ "John Travolta", "Uma Thurman" ] }
```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad215"), "title" : "Inglorious Basterds", "writer" :  
"Quentin Tarantino", "year" : 2009, "sinopsis" : "Lucha", "actors" : [ "Brad Pitt", "Diane Kruger", "Eli  
Roth" ] }
```

- Obtener documentos con actors que incluyan a "Brad Pitt"

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

```
{ "_id" : ObjectId("64ed2804e76e55934dcad213"), "title" : "Fight Club", "writer" : "Chuck  
Palahniuk", "year" : 1999, "sinopsis" : "Lucha", "actors" : [ "Brad Pitt", "Edward Norton" ] }
```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad215"), "title" : "Inglorious Basterds", "writer" :  
"Quentin Tarantino", "year" : 2009, "sinopsis" : "Lucha", "actors" : [ "Brad Pitt", "Diane Kruger", "Eli  
Roth" ] }
```

- Obtener documentos con franchise igual a "The Hobbit"

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

```
{ "_id" : ObjectId("64ed2804e76e55934dcad216"), "title" : "The Hobbit: An Unexpected Journey",  
"writer" : "J.R.R. Tolkein", "year" : 2012, "sinopsis" : "Lucha", "franchise" : "The Hobbit" }
```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad217"), "title" : "The Hobbit: The Desolation of Smaug",  
"writer" : "J.R.R. Tolkein", "year" : 2013, "sinopsis" : "Lucha", "franchise" : "The Hobbit" }
```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad218"), "title" : "The Hobbit: The Battle of the Five  
Armies", "year" : 2012, "franchise" : "The Hobbit", "sinopsis" : "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" }

- Obtener todas las películas de los 90s.

```
db.MOVIES.find({ year: { $gte: 1990, $lte: 1999 }});
```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad213"), "title" : "Fight Club", "writer" : "Chuck Palahniuk", "year" : 1999, "sinopsis" : "Lucha", "actors" : [ "Brad Pitt", "Edward Norton" ] }
```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad214"), "title" : "Pulp Fiction", "writer" : "Quentin Tarantino", "year" : 1994, "sinopsis" : "Lucha", "actors" : [ "John Travolta", "Uma Thurman" ] }
```

- Obtener las películas estrenadas entre el año 2000 y 2010.

```
db.MOVIES.find({ "year": { $gte: 2000, $lt: 2010 }});
```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad215"), "title" : "Inglorious Basterds", "writer" : "Quentin Tarantino", "year" : 2009, "sinopsis" : "Lucha", "actors" : [ "Brad Pitt", "Diane Kruger", "Eli Roth" ] }
```

Por texto:

- Encontrar las películas que en la sinopsis contengan la palabra "Bilbo"

```
db.MOVIES.find({ sinopsis: /Bilbo/ });
```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad216"), "title" : "The Hobbit: An Unexpected Journey", "writer" : "J.R.R. Tolkien", "year" : 2012, "sinopsis" : "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.", "franchise" : "The Hobbit" }
```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad218"), "title" : "The Hobbit: The Battle of the Five Armies", "year" : 2012, "franchise" : "The Hobbit", "sinopsis" : "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" }
```

- Encontrar las películas que en la sinopsis contengan la palabra "Gandalf"

```
db.MOVIES.find({sinopsis:/Gandalf/});
```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad217"), "title" : "The Hobbit: The Desolation of Smaug", "writer" : "J.R.R. Tolkien", "year" : 2013, "sinopsis" : "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.", "franchise" : "The Hobbit" }
```

- Encontrar las películas que en la sinopsis contengan la palabra "Bilbo" y no la palabra "Gandalf"

```
db.MOVIES.find({ sinopsis: { $regex: /Bilbo/, $not: /Gandalf/ } });
```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad216"), "title" : "The Hobbit: An Unexpected Journey",
"writer" : "J.R.R. Tolkein", "year" : 2012, "sinopsis" : "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.", "franchise" : "The Hobbit" }
```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad218"), "title" : "The Hobbit: The Battle of the Five
Armies", "year" : 2012, "franchise" : "The Hobbit", "sinopsis" : "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" }
```

- Encontrar las películas que en la sinopsis contengan la palabra "dwarves" ó "hobbit"

```
db.MOVIES.find({
... $or: [
... { sinopsis: { $regex: "dwarves" } },
... { sinopsis: { $regex: "Hobbit" } }
... ]
... });
```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad216"), "title" : "The Hobbit: An Unexpected Journey",
"writer" : "J.R.R. Tolkein", "year" : 2012, "sinopsis" : "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.", "franchise" : "The Hobbit" }
```

```
{ "_id" : ObjectId("64ed2804e76e55934dcad217"), "title" : "The Hobbit: The Desolation of Smaug",
"writer" : "J.R.R. Tolkein", "year" : 2013, "sinopsis" : "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.", "franchise" : "The Hobbit" }
```

- Encontrar las películas que en la sinopsis contengan la palabra "gold" y "dragon"

```

db.MOVIES.find({
  ... $and: [
    ... { synopsis: { $regex: "gold" } },
    ... { synopsis: { $regex: "dragon" } }
  ... ]
  ... });
{ "_id" : ObjectId("64ed2804e76e55934dcad216"), "title" : "The Hobbit: An Unexpected Journey",
"writer" : "J.R.R. Tolkein", "year" : 2012, "sinopsis" : "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.", "franchise" : "The Hobbit" }

```

5. REALIZAR LAS SIGUIENTES ACTUALIZACIONES

- Agregar sinopsis a "The Hobbit: An Unexpected Journey" : "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."

```

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." } }
);

```

- Agregar sinopsis a "The Hobbit: The Desolation of Smaug" : "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."

```

db.MOVIES.updateOne(
{ title: "The Hobbit: The Desolation of Smaug" },
{
  $set: {

```


sinopsis: "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."

}

}

);

- Agregar un actor llamado "Samuel L. Jackson" a la película "Pulp Fiction"

db.MOVIES.updateOne(

... { title: "Pulp Fiction" },

... { \$push: { actors: "Samuel L. Jackson" } }

...);

{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }

6. ELIMINAR

- Eliminar la película "Pee Wee Herman's Big Adventure"

db.MOVIES.deleteOne({ title: "Pee Wee Herman's Big Adventure" });

{ "acknowledged" : true, "deletedCount" : 0 }

- Eliminar la película "Avatar"

db.MOVIES.deleteOne({ title: "Avatar" });

{ "acknowledged" : true, "deletedCount" : 0 }