

EJERCICIOS #2 MONGO DB

REALIZADO POR:
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PRESENTADO A:
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ADSO 2556678

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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.

```
C:\WINDOWS\system32\cmd.exe - mongo
> db.MOVIES.insert({title: 'Fight Club', writer: 'Chuck Palahniuk', year: 1999, synopsis: 'Lucha', actors : ["John Travolta", "Uma Thurman"]})
WriteResult({ "nInserted" : 1 })
> db.MOVIES.insert({title: 'Inglorious Basterds', writer: 'Quentin Tarantino', year: 2009, synopsis: 'Lucha', actors : ["John Travolta", "Uma Thurman"]})
WriteResult({ "nInserted" : 1 })
> db.MOVIES.insert({title: 'Pulp', writer: 'Quentin Tarantino', year: 1994, synopsis: 'Lucha', actors : ["Diane Kruger", "Eli Roth", "Brad Pitt"]})
WriteResult({ "nInserted" : 1 })
> db.MOVIES.insert({title: 'The Hobbit: An Unexpected Journey', writer: 'J.R.R. Tolkien', year: 2012, synopsis: 'Lucha', franchise: 'The Hobbit'})
WriteResult({ "nInserted" : 1 })
> db.MOVIES.insert ({title: 'The Hobbit: The Desolation of Smaug', writer: 'J.R.R. Tolkien', year: 2013, synopsis: 'Lucha', franchise: 'The Hobbit'
... })
WriteResult({ "nInserted" : 1 })

> db.MOVIES.insert({title: 'The Hobbit: The Battle of the Five Armies', writer: 'J.R.R. Tolkien', 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', franchise: 'The Hobbit'})
WriteResult({ "nInserted" : 1 })
>
```

4. REALIZAR LAS SIGUIENTES BUSQUEDAS

- Obtener todos los documentos

```
> db.MOVIES.find()
{ "_id" : ObjectId("64ed1c8b3725afb70991d33d"), "title" : "Fight Club", "writer" : "Chuck Palahniuk", "year" : 1999, "synopsis" : "Lucha", "actors" : [ "John Travolta", "Uma Thurman" ] }
{ "_id" : ObjectId("64ed1cc23725afb70991d33e"), "title" : "Inglorious Basterds", "writer" : "Quentin Tarantino", "year" : 2009, "synopsis" : "Lucha", "actors" : [ "John Travolta", "Uma Thurman" ] }
{ "_id" : ObjectId("64ed1d243725afb70991d33f"), "title" : "Pulp", "writer" : "Quentin Tarantino", "year" : 1994, "synopsis" : "Lucha", "actors" : [ "Diane Kruger", "Eli Roth", "Brad Pitt" ] }
{ "_id" : ObjectId("64ed1e403725afb70991d340"), "title" : "The Hobbit: An Unexpected Journey", "writer" : "J.R.R. Tolkien", "year" : 2012, "synopsis" : "Lucha", "franchise" : "The Hobbit" }
{ "_id" : ObjectId("64ed1ef53725afb70991d341"), "title" : "The Hobbit: The Desolation of Smaug", "writer" : "J.R.R. Tolkien", "year" : 2013, "synopsis" : "Lucha", "franchise" : "The Hobbit" }
{ "_id" : ObjectId("64ed20c73725afb70991d342"), "title" : "The Hobbit: The Battle of the Five Armies", "writer" : "J.R.R. Tolkien", "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", "franchise" : "The Hobbit" }
```

- Obtener documentos con writer igual a "Quentin Tarantino".

```
C:\WINDOWS\system32\cmd.exe - mongo
> db.MOVIES.find({writer: 'Quentin Tarantino'})
{ "_id" : ObjectId("64ed1cc23725afb70991d33e"), "title" : "Inglorious Basterds", "writer" : "Quentin Tarantino", "year" : 2009, "synopsis" : "Lucha", "actors" : [ "John Travolta", "Uma Thurman" ] }
{ "_id" : ObjectId("64ed1d243725afb70991d33f"), "title" : "Pulp", "writer" : "Quentin Tarantino", "year" : 1994, "synopsis" : "Lucha", "actors" : [ "Diane Kruger", "Eli Roth", "Brad Pitt" ] }
```

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

```

C:\WINDOWS\system32\cmd.exe - mongo
> db.MOVIES.find({actors: 'Brad Pitt'})
{ "_id" : ObjectId("64ed1d243725afb70991d33f"), "title" : "Pulp", "writer" : "Quentin Tarantino", "year" : 1994, "sinopsis" : "Lucha", "actors" : [ "Diane Kruger", "Eli Roth", "Brad Pitt" ] }

```

- Obtener documentos con franchise igual a "The Hobbit"

```

C:\WINDOWS\system32\cmd.exe - mongo
> db.MOVIES.find({franchise: 'The Hobbit'})
{ "_id" : ObjectId("64ed1c8b3725afb70991d33d"), "title" : "The Hobbit: An Unexpected Journey", "writer" : "J.R.R. Tolkein", "year" : 2012, "sinopsis" : "Lucha", "franchise" : "The Hobbit" }
{ "_id" : ObjectId("64ed1ef53725afb70991d341"), "title" : "The Hobbit: The Desolation of Smaug", "writer" : "J.R.R. Tolkein", "year" : 2013, "sinopsis" : "Lucha", "franchise" : "The Hobbit" }
{ "_id" : ObjectId("64ed20c73725afb70991d342"), "title" : "The Hobbit: The Battle of the Five Armies", "writer" : "J.R.R. Tolkein", "year" : 2012, "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", "franchise" : "The Hobbit" }

```

- Obtener todas las películas de los 90s.

```

> db.MOVIES.find({'year': {$gte: 1990, $lte: 1999}})
{ "_id" : ObjectId("64ed1c8b3725afb70991d33d"), "title" : "Fight Club", "writer" : "Chuck Palahniuk", "year" : 1999, "sinopsis" : "Lucha", "actors" : [ "John Travolta", "Uma Thurman" ] }
{ "_id" : ObjectId("64ed1d243725afb70991d33f"), "title" : "Pulp", "writer" : "Quentin Tarantino", "year" : 1994, "sinopsis" : "Lucha", "actors" : [ "Diane Kruger", "Eli Roth", "Brad Pitt" ] }

```

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

```

C:\WINDOWS\system32\cmd.exe - mongo
> db.MOVIES.find({'year': {$gte: 2000, $lte: 2010}})
{ "_id" : ObjectId("64ed1cc23725afb70991d33e"), "title" : "Inglorious Basterds", "writer" : "Quentin Tarantino", "year" : 2009, "sinopsis" : "Lucha", "actors" : [ "John Travolta", "Uma Thurman" ] }

```

Por texto:

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

```

> db.MOVIES.find({'sinopsis' : /Bilbo/}).pretty()
{
  "_id" : ObjectId("64ed20c73725afb70991d342"),
  "title" : "The Hobbit: The Battle of the Five Armies",
  "writer" : "J.R.R. Tolkein",
  "year" : 2012,
  "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",
  "franchise" : "The Hobbit"
}

```

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

```

> db.MOVIES.find({'sinopsis' : /Gandalf/}).pretty()
{
  "_id" : ObjectId("64ed1ef53725afb70991d341"),
  "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 "Bilbo" y no la palabra "Gandalf".

```
> db.MOVIES.find({'sinopsis': /Bilbo/, 'sinopsis': {$not:/Gandalf/}})
{ "_id" : ObjectId("64ed1c8b3725afb70991d33d"), "title" : "Fight Club", "writer" : "Chuck Palahniuk", "year" : 1999, "sinopsis" : "Lucha", "actors" : [ "John Travolta", "Uma Thurman" ] }
{ "_id" : ObjectId("64ed1cc23725afb70991d33e"), "title" : "Inglorious Basterds", "writer" : "Quentin Tarantino", "year" : 2009, "sinopsis" : "Lucha", "actors" : [ "John Travolta", "Uma Thurman" ] }
{ "_id" : ObjectId("64ed1d243725afb70991d33f"), "title" : "Pulp", "writer" : "Quentin Tarantino", "year" : 1994, "sinopsis" : "Lucha", "actors" : [ "Diane Kruger", "Eli Roth", "Brad Pitt" ] }
{ "_id" : ObjectId("64ed1e403725afb70991d340"), "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("64ed20c73725afb70991d342"), "title" : "The Hobbit: The Battle of the Five Armies", "writer" : "J.R.R. Tolkien", "year" : 2012, "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", "franchise" : "The Hobbit" }
{ "_id" : ObjectId("64ed31833725afb70991d343"), "title" : "The Hobbit: The Battle of the Five Armies", "writer" : "J.R.R. Tolkien", "year" : 2012, "sinopsis" : "Bilbo" }
>
```

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

```
CA. C:\WINDOWS\system32\cmd.exe - mongo
> db.MOVIES.find({'$or': [{ sinopsis: /dwarves/}, { sinopsis:/Hobbit/ } ]})
{ "_id" : ObjectId("64ed1e403725afb70991d340"), "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" }
>
```

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

```
> db.MOVIES.find({'$and': [{ sinopsis: /gold/}, { sinopsis:/dragon/ } ]})
{ "_id" : ObjectId("64ed1e403725afb70991d340"), "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" }
>
■
```

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."

```
C:\WINDOWS\system32\cmd.exe - mongo
> db.MOVIES.updateOne({'title': 'The Hobbit: An Unexpected Journey'}, {$set: {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'}})
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
>
```

- 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."

```
C:\WINDOWS\system32\cmd.exe - mongo
> db.MOVIES.updateOne({'title': '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.'}})
{ "acknowledged" : true, "matchedCount" : 0, "modifiedCount" : 0 }
```

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

```
C:\WINDOWS\system32\cmd.exe - mongo
> db.MOVIES.updateOne({'title': 'Pulp Fiction'}, {$set: {actors: 'Samuel L. Jackson'}})
{ "acknowledged" : true, "matchedCount" : 0, "modifiedCount" : 0 }
```

6. ELIMINAR

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

```
> db.MOVIES.deleteOne({'title': 'Pee Wee Hermans Big Adventure'})
{ "acknowledged" : true, "deletedCount" : 1 }
>
```

- Eliminar la película "Avatar"

```
> db.MOVIES.deleteOne({'title': 'Avatar'})
{ "acknowledged" : true, "deletedCount" : 1 }
>
```