

Deberes Ejercicio 2 Movies

Busco en mi PC en el search carpeta bin

Y ejecuto mongosh.exe

1. Tecleo `mongodb://localhost/`
2. Se abre test>
3. Use `mongo_movies`; la que habia creado nueva o

1. Creo nueva collection
`db.createCollection("movies ")`

1. Texto en json format LO INCLUYO en una variable

```
moviesData = [
```

```
{
```

```
  "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."

},

```

{
  "title": "Pee Wee Herman's Big Adventure"
},
{
  "title": "Avatar"
}
]

```

```
db.movies.insertMany(moviesData);
```

```

    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
in from falling into the hands of a rising darkness.'
  },
  { title: "Pee Wee Herman's Big Adventure" },
  { title: 'Avata' }
]
mongo_movies> db.movies.insertMany(moviesData);
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId('6627b6ae4e041985b39f990a'),
    '1': ObjectId('6627b6ae4e041985b39f990b'),
    '2': ObjectId('6627b6ae4e041985b39f990c'),
    '3': ObjectId('6627b6ae4e041985b39f990d'),
    '4': ObjectId('6627b6ae4e041985b39f990e'),
    '5': ObjectId('6627b6ae4e041985b39f990f'),
    '6': ObjectId('6627b6ae4e041985b39f9910'),
    '7': ObjectId('6627b6ae4e041985b39f9911')
  }
}
mongo_movies>

```

Realizar las siguientes consultas en la colección **movies**:

1. Obtener todos los documentos: **db.movies.find();**

```
mongo_movies> db.movies.find()
[
  {
    _id: ObjectId('6621718aaa626592fd9f9915'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('6621718aaa626592fd9f9916'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman' ]
  },
  {
    _id: ObjectId('6621718aaa626592fd9f9917'),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  },
  {
    _id: ObjectId('6621718aaa626592fd9f9918'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId('6621718aaa626592fd9f9919'),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: 2013,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId('6621718aaa626592fd9f991a'),
    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 th
  },
  {
    _id: ObjectId('6621718aaa626592fd9f991b'),
    title: "Pee Wee Herman's Big Adventure"
  },
  {
    _id: ObjectId('6621718aaa626592fd9f991c'), title: 'Avata' }
]
```

Obtener documentos con writer igual a "Quentin Tarantino"

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

```
mongo_movies> db.movies.find({ writer: "Quentin Tarantino" })
[
  {
    _id: ObjectId('6621718aaa626592fd9f9916'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman' ]
  },
  {
    _id: ObjectId('6621718aaa626592fd9f9917'),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  }
]
```

3. Obtener documentos con actors que incluyan a "Brad Pitt"

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

```
mongo_movies> db.movies.find({ actors: "Brad Pitt" })
[
  {
    _id: ObjectId('6621718aaa626592fd9f9915'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('6621718aaa626592fd9f9917'),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  }
]
```

```

{
  _id: ObjectId('6627b7804e041985b39f9912'),
  title: 'Fight Club',
  writer: 'Chuck Palahniuk',
  year: 1999,
  actors: [ 'Brad Pitt', 'Edward Norton' ]
},
{
  _id: ObjectId('6627b7804e041985b39f9914'),
  title: 'Inglorious Basterds',
  writer: 'Quentin Tarantino',
  year: 2009,
  actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
},
{
  _id: ObjectId('6627b78a4e041985b39f991a'),
  title: 'Fight Club',
  writer: 'Chuck Palahniuk',
  year: 1999,
  actors: [ 'Brad Pitt', 'Edward Norton' ]
},
{
  _id: ObjectId('6627b78a4e041985b39f991c'),
  title: 'Inglorious Basterds',
  writer: 'Quentin Tarantino',
  year: 2009,
  actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
}

```

4. Obtener documentos con franchise igual a "The Hobbit"

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

```

mongo_movies> db.movies.find({ franchise: "The Hobbit"})
[
  {
    _id: ObjectId('6621718aaa626592fd9f9918'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkien',
    year: 2012,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId('6621718aaa626592fd9f9919'),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkien',
    year: 2013,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId('6621718aaa626592fd9f991a'),
    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 combat
  }
]

```

5. Obtener todas las películas de los 90s.

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

```
mongo_movies> db.movies.find({ year: { $gte: 1990, $lte: 1999 } })
[
  {
    _id: ObjectId('6621718aaa626592fd9f9915'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('6621718aaa626592fd9f9916'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman' ]
  },
  {
    _id: ObjectId('6627b6ae4e041985b39f990a'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('6627b6ae4e041985b39f990b'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman' ]
  },
  {
    _id: ObjectId('6627b7804e041985b39f9912'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('6627b7804e041985b39f9913'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman' ]
  },
  {
    _id: ObjectId('6627b78a4e041985b39f991a'),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId('6627b78a4e041985b39f991b'),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman' ]
  }
]
mongo_movies>
```


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

```
db.movies.find({ year: { $gte: 2000, $lte: 2010 } })
```

```
mongo_movies> db.movies.find({ year: { $gte: 2000, $lte: 2010 } })
[
  {
    _id: ObjectId('6621718aaa626592fd9f9917'),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  },
  {
    _id: ObjectId('6627b6ae4e041985b39f990c'),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  },
  {
    _id: ObjectId('6627b7804e041985b39f9914'),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  },
  {
    _id: ObjectId('6627b78a4e041985b39f991c'),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  }
]
mongo_movies>
```

Actualizar Documentos

1. Agregar sinopsis a "The Hobbit: An Unexpected Journey" : "A reluctant hobbit, Bilbo

```
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." } })
```

```

mongo_movies> db.movies.updateOne(
...   { title: "The Hobbit: An Unexpected Journey" },
...   { $set: { synopsis: "A reluctant hobbit, Bilbo Baggi
... )
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}

```

```

}
mongo_movies> 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 mount
... )
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}

```

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." } }

```

```

mongo_movies> db.movies.updateOne(
...   { title: "The Hobbit: The Desolation of Smaug" },
...   { $set: { synopsis: "The dwarves, along with Bilbo Baggin
... )
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}

```

Agregar synopsis 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."

3. Agregar una actor llamado "Samuel L. Jackson" a la película "Pulp Fiction"

```

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

```

```

mongo_movies> db.movies.update(
...   { title: "Pulp Fiction" },
...   { $push: { actors: "Samuel L. Jackson" } }
... )
DeprecationWarning: Collection.update() is deprecated. Use updateOne, updateMany, or bulkWrite.
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
mongo_movies>

```

Búsqueda por Texto / Text Search

1. Encontrar las películas que en el título contengan la palabra "Hobbit"

Uso regex

db.movies.find({ title: { \$regex: /Hobbit/i } })

```

mongo_movies> db.movies.find({ title: { $regex: /Hobbit/i } })
[
  {
    _id: ObjectId('6621718aaa626592fd9f9918'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkien',
    year: 2012,
    franchise: 'The Hobbit',
    synopsis: 'A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mountain home -',
  },
  {
    _id: ObjectId('6621718aaa626592fd9f9919'),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkien',
    year: 2013,
    franchise: 'The Hobbit',
    synopsis: 'The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo',
  },
  {
    _id: ObjectId('6621718aaa626592fd9f991a'),
    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 ha',
  },
  {
    _id: ObjectId('6627b6ae4e041985b39f990d'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkien',
    year: 2012,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId('6627b6ae4e041985b39f990e'),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkien',
    year: 2013,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId('6627b6ae4e041985b39f990f'),
    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 ha',
  },
  {
    _id: ObjectId('6627b7804e041985b39f9915'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkien',
  }
]

```

2. Encontrar las películas que en la sinopsis contengan la palabra "Gandalf" la /i en el regex significa que hay que buscar tanto minúsculas como mayúsculas

db.movies.find({ synopsis: { \$regex: /Gandalf/i } })

```

mongo_movies> db.movies.find({ synopsis: { $regex: /Gandalf/i } })
[
  {
    _id: ObjectId('6621718aaa626592fd9f9919'),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkien',
    year: 2013,
    franchise: 'The Hobbit',
    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.'
  }
]
mongo_movies>

```

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

```
db.movies.find({
  $and: [
    { synopsis: { $regex: /Bilbo/i } }, //que contenga la palabra Bilbo
    { synopsis: { $not: /Gandalf/i } } //pero que no contenga la palabra Gandalf
  ]
})
```

```
mongo_movies> db.movies.find({
...   $and: [
...     { synopsis: { $regex: /Bilbo/i } }, //que contenga la palabra Bilbo
...     { synopsis: { $not: /Gandalf/i } } //pero que no contenga la palabra Gandalf
...   ]
... })
[
  {
    _id: ObjectId('6621718aaa626592fd9f9918'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit',
    synopsis: 'A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to rescue his friend Gandalf the Wizard and reclaim the Lonely Mountain from the dragon Smaug.',
  },
  {
    _id: ObjectId('6621718aaa626592fd9f991a'),
    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 evil faction.',
  },
  {
    _id: ObjectId('6627b6ae4e041985b39f990f'),
    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 evil faction.',
  },
  {
    _id: ObjectId('6627b7804e041985b39f9917'),
    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 evil faction.',
  },
  {
    _id: ObjectId('6627b78a4e041985b39f991f'),
    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 evil faction.',
  }
]
```

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

```
db.movies.find({
  $or: [
    { synopsis: { $regex: /dwarves/i } }, //que contenga o dwarves o
    { synopsis: { $regex: /hobbit/i } } //o que contenga hobbit
  ] })
```

```
mongo_movies> db.movies.find({
...   $or: [
...     { synopsis: { $regex: /dwarves/i } }, //que contenga o dwarves o
...     { synopsis: { $regex: /hobbit/i } } //o que contenga hobbit
...   ] })
[
  {
    _id: ObjectId('6621718aaa626592fd9f9918'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkien',
    year: 2012,
    franchise: 'The Hobbit',
    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
  },
  {
    _id: ObjectId('6621718aaa626592fd9f9919'),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkien',
    year: 2013,
    franchise: 'The Hobbit',
    synopsis: 'The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue their quest to reclaim Erebor, their homeland, from Smaug. Bilbo Baggins is li
  }
]
```

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

```
db.movies.find({
  $and: [
    { synopsis: { $regex: /gold/i } }, //que contenga tanto gold como dragón a la vez
    { synopsis: { $regex: /dragon/i } }
  ]
})
```

```
mongo_movies> db.movies.find({
...   $and: [
...     { synopsis: { $regex: /gold/i } }, //que contenga tanto gold como dragón a la vez
...     { synopsis: { $regex: /dragon/i } }
...   ]
... })
[
  {
    _id: ObjectId('6621718aaa626592fd9f9918'),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkien',
    year: 2012,
    franchise: 'The Hobbit',
    synopsis: 'A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain with a spirited group of dwarves to reclaim their mounta
  }
]
```

Eliminar Documentos

1. Eliminar la película "Pee Wee Herman's Big Adventure"

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

```
mongo_movies> db.movies.deleteOne({ title: "Pee Wee Herman's Big Adventure" })
{ acknowledged: true, deletedCount: 1 }
```

2. Eliminar la película "Avatar" Tengo errata en mi json y esta película la tengo como "Avata" sin la r. Por eso aplico este nombre Avata

```
db.movies.deleteOne({ title: "Avata" })
```

```
mongo_movies> db.movies.deleteOne({ title: "Avata" })  
{ acknowledged: true, deletedCount: 1 }
```