

0.- crear una nueva llamada mongo\_movies



```
Seleccionar mongosh mongodb://127.0.0.1:27017/?dii
escuela_upgrade> use mongo_movies
switched to db mongo_movies
mongo_movies>
```

## Documentos a Insertar

### Insertar los siguientes documentos en una colección llamada movies

```
db.movies.insertMany([
  {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"}])
```

```
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("639c589ac80bdccfe68941aa"),
    '1': ObjectId("639c589ac80bdccfe68941ab"),
    '2': ObjectId("639c589ac80bdccfe68941ac"),
    '3': ObjectId("639c589ac80bdccfe68941ad"),
    '4': ObjectId("639c589ac80bdccfe68941ae"),
    '5': ObjectId("639c589ac80bdccfe68941af"),
    '6': ObjectId("639c589ac80bdccfe68941b0"),
    '7': ObjectId("639c589ac80bdccfe68941b1")
  }
}
mongo_movies>
```

# Consultas / Buscar documentos

## 1.- Obtener todos los documentos

```
mongo_movies> db.movies.find()
[
  {
    _id: ObjectId("639c589ac80bdccfe68941aa"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId("639c589ac80bdccfe68941ab"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman' ]
  },
  {
    _id: ObjectId("639c589ac80bdccfe68941ac"),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  },
  {
    _id: ObjectId("639c589ac80bdccfe68941ad"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("639c589ac80bdccfe68941ae"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: 2013,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("639c589ac80bdccfe68941af"),
    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
'
  },
  {
    _id: ObjectId("639c589ac80bdccfe68941b0"),
    title: "Pee Wee Herman's Big Adventure"
  },
  { _id: ObjectId("639c589ac80bdccfe68941b1"), title: 'Avatar' }
]
mongo_movies>
```

## 2 Obtener documentos con writer igual a "Quentin Tarantino"

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

mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

```
mongo_movies> db.movies.find({writer:"Quentin Tarantino"})
[
  {
    _id: ObjectId("639c589ac80bdccfe68941ab"),
    title: 'Pulp Fiction',
    writer: 'Quentin Tarantino',
    year: 1994,
    actors: [ 'John Travolta', 'Uma Thurman' ]
  },
  {
    _id: ObjectId("639c589ac80bdccfe68941ac"),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  }
]
mongo_movies>
```

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

```
db.movies.find({actors:{$in:['Brad Pitt']}})
```

mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

```
mongo_movies> db.movies.find({actors:{$in:['Brad Pitt']}})
[
  {
    _id: ObjectId("639c589ac80bdccfe68941aa"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId("639c589ac80bdccfe68941ac"),
    title: 'Inglorious Basterds',
    writer: 'Quentin Tarantino',
    year: 2009,
    actors: [ 'Brad Pitt', 'Diane Kruger', 'Eli Roth' ]
  }
]
mongo_movies>
```

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

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

mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

```
mongo_movies> db.movies.find({franchise:"The Hobbit"})
[
  {
    _id: ObjectId("639c589ac80bdccfe68941ad"),
    title: 'The Hobbit: An Unexpected Journey',
    writer: 'J.R.R. Tolkein',
    year: 2012,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("639c589ac80bdccfe68941ae"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: 2013,
    franchise: 'The Hobbit'
  },
  {
    _id: ObjectId("639c589ac80bdccfe68941af"),
    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'
  }
]
mongo_movies>
```

5. Obtener todas las películas de los 90s.

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

mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTim

```
[
  {
    _id: ObjectId("639c589ac80bdccfe68941aa"),
    title: 'Fight Club',
    writer: 'Chuck Palahniuk',
    year: 1999,
    actors: [ 'Brad Pitt', 'Edward Norton' ]
  },
  {
    _id: ObjectId("639c589ac80bdccfe68941ab"),
    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":{$gte:2000,$lt:2011}})
```

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000
```

```
[
  {
    _id: ObjectId("639c589ac80bdccfe68941ac"),
    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 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."}})
```

```
mongosh mongodb://127.0.0.1:27017/?directConnectio
```

```
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 mountain home - and the gold within it - from the dragon Smaug."}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
mongo_movies> _
```

**2.- 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:{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."}})
```

mongosh mongodb://127.0.0.1:27017/?directConnecti

```
mongo_movies> db.movies.updateOne({
  quest to reclaim Erebor, their home
}, {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
})
mongo_movies> _
```

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

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

mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

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

```
db.movies.find({ title: { $regex : "Hobbit" } })
```

mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

```
mongo_movies> db.movies.find({ title: { $regex : "Hobbit" } })
[
  {
    _id: ObjectId("639c79cec80bdccfe68941b5"),
    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 within it - from the dragon Smaug.'
  },
  {
    _id: ObjectId("639c79cec80bdccfe68941b6"),
    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 White, set out to stop a dragon who is in possession of a mysterious and magical ring.'
  },
  {
    _id: ObjectId("639c79cec80bdccfe68941b7"),
    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 the forces of the Ring and the dark darkness.'
  }
]
mongo_movies> _
```

## 2 Encontrar las películas que en la sinopsis contengan la palabra "Gandalf"

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

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

mongo_movies> db.movies.find({ synopsis : { $regex : "Gandalf" } })
[
  {
    _id: ObjectId("639c79cec80bdccfe68941b6"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: 2013,
    franchise: 'The Hobbit',
    synopsis: 'The dwarves, along with Bilbo Baggins and Gandalf the Gr
s 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"}},{synopsis:{ $not:{ $regex:"Gandalf"}}}}})
```

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

mongo_movies> db.movies.find({$and:[{synopsis:{ $regex:"Bilbo"}},{synopsis:{ $not:{ $regex:"Gandalf"}}}}})
[
  {
    _id: ObjectId("639c79cec80bdccfe68941b5"),
    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
ld within it - from the dragon Smaug.'
  },
  {
    _id: ObjectId("639c79cec80bdccfe68941b7"),
    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
sing darkness.'
  }
]
mongo_movies>
```

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

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

```

mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

mongo_movies> db.movies.find({$or:[{synopsis:{$regex:"dwarves"}},{synopsis:
[
  {
    _id: ObjectId("639c79cec80bdccfe68941b5"),
    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 M
ld within it - from the dragon Smaug.'
  },
  {
    _id: ObjectId("639c79cec80bdccfe68941b6"),
    title: 'The Hobbit: The Desolation of Smaug',
    writer: 'J.R.R. Tolkein',
    year: 2013,
    franchise: 'The Hobbit',
    synopsis: 'The dwarves, along with Bilbo Baggins and Gandalf the Grey,
s in possession of a mysterious and magical ring.'
  }
]
mongo_movies>

```

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

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

```

mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

}}})
[
  {
    _id: ObjectId("639c79cec80bdccfe68941b5"),
    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 s
pirited group of dwarves to reclaim their mountain home - and the gold within it - from th
e dragon Smaug.'
  }
]
mongo_movies>

```

## Eliminar Documentos

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

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

```

mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

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

```



## 2. Eliminar la película "Avatar"

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

 mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

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