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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:

```
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,  
  ...   "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. Tolkien",
...     "year": 2012,
...     "sinopsis": "Lucha",
...     "franchise": "The Hobbit"
... },
... {
...     "title": "The Hobbit: The Desolation of Smaug",
...     "writer": "J.R.R. Tolkien",
...     "year": 2013,
...     "sinopsis": "Lucha",
...     "franchise": "The Hobbit"
... },
... {
...     "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 hands of a rising darkness."
... }
... ])
{
    "acknowledged" : true,
    "insertedIds" : [
        ObjectId("64ed26e9903a0d4564d0f029"),
        ObjectId("64ed26e9903a0d4564d0f02a"),
        ObjectId("64ed26e9903a0d4564d0f02b"),
        ObjectId("64ed26e9903a0d4564d0f02c"),
        ObjectId("64ed26e9903a0d4564d0f02d"),
        ObjectId("64ed26e9903a0d4564d0f02e")
    ]
}

```

REALIZAR LAS SIGUIENTES BÚSQUEDAS

1. Obtener todos los documentos

```
> db.MOVIES.find().pretty()
{
  "_id" : ObjectId("64ed26e9903a0d4564d0f029"),
  "title" : "Fight Club",
  "writer" : "Chuck Palahniuk",
  "year" : 1999,
  "sinopsis" : "Lucha",
  "actors" : [
    "Brad Pitt",
    "Edward Norton"
  ]
}
{
  "_id" : ObjectId("64ed26e9903a0d4564d0f02a"),
  "title" : "Pulp Fiction",
  "writer" : "Quentin Tarantino",
  "year" : 1994,
  "sinopsis" : "Lucha",
  "actors" : [
    "John Travolta",
    "Uma Thurman"
  ]
}
{
  "_id" : ObjectId("64ed26e9903a0d4564d0f02b"),
  "title" : "Inglorious Basterds",
  "writer" : "Quentin Tarantino",
  "year" : 2009,
  "sinopsis" : "Lucha",
  "actors" : [
    "Brad Pitt",
    "Diane Kruger",
    "Eli Roth"
  ]
}
{
  "_id" : ObjectId("64ed26e9903a0d4564d0f02c"),
  "title" : "The Hobbit: An Unexpected Journey",
  "writer" : "J.R.R. Tolkien",
  "year" : 2012,
  "sinopsis" : "Lucha",
  "franchise" : "The Hobbit"
}
{
  "_id" : ObjectId("64ed26e9903a0d4564d0f02d"),
  "title" : "The Hobbit: The Desolation of Smaug",
  "writer" : "J.R.R. Tolkien",
  "year" : 2013,
```

```

        "sinopsis" : "Lucha",
        "franchise" : "The Hobbit"
    }
    {
        "_id" : ObjectId("64ed26e9903a0d4564d0f02e"),
        "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 hands of a rising darkness."
    }
}
>

```

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

```

> db.MOVIES.find({"writer": "Quentin Tarantino"}).pretty()
{
    "_id" : ObjectId("64ed26e9903a0d4564d0f02a"),
    "title" : "Pulp Fiction",
    "writer" : "Quentin Tarantino",
    "year" : 1994,
    "sinopsis" : "Lucha",
    "actors" : [
        "John Travolta",
        "Uma Thurman"
    ]
}
{
    "_id" : ObjectId("64ed26e9903a0d4564d0f02b"),
    "title" : "Inglorious Basterds",
    "writer" : "Quentin Tarantino",
    "year" : 2009,
    "sinopsis" : "Lucha",
    "actors" : [
        "Brad Pitt",
        "Diane Kruger",
        "Eli Roth"
    ]
}
>

```

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

```

db.MOVIES.find({"actors": "Brad Pitt"}).pretty()
{
    "_id" : ObjectId("64ed26e9903a0d4564d0f029"),
    "title" : "Fight Club",
    "writer" : "Chuck Palahniuk",
    "year" : 1999,

```

```

        "sinopsis" : "Lucha",
        "actors" : [
            "Brad Pitt",
            "Edward Norton"
        ]
    }
}
{
    "_id" : ObjectId("64ed26e9903a0d4564d0f02b"),
    "title" : "Inglorious Basterds",
    "writer" : "Quentin Tarantino",
    "year" : 2009,
    "sinopsis" : "Lucha",
    "actors" : [
        "Brad Pitt",
        "Diane Kruger",
        "Eli Roth"
    ]
}
>

```

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

```

> db.MOVIES.find({"franchise": "The Hobbit"}).pretty()
{
  "_id" : ObjectId("64ed26e9903a0d4564d0f02c"),
  "title" : "The Hobbit: An Unexpected Journey",
  "writer" : "J.R.R. Tolkien",
  "year" : 2012,
  "sinopsis" : "Lucha",
  "franchise" : "The Hobbit"
}
{
  "_id" : ObjectId("64ed26e9903a0d4564d0f02d"),
  "title" : "The Hobbit: The Desolation of Smaug",
  "writer" : "J.R.R. Tolkien",
  "year" : 2013,
  "sinopsis" : "Lucha",
  "franchise" : "The Hobbit"
}
{
  "_id" : ObjectId("64ed26e9903a0d4564d0f02e"),
  "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 hands of a rising darkness."
}
>

```

5. Obtener todas las películas de los 90s

```
> db.MOVIES.find({"year": {$lt: 2000}}).pretty()
{
  "_id" : ObjectId("64ed26e9903a0d4564d0f029"),
  "title" : "Fight Club",
  "writer" : "Chuck Palahniuk",
  "year" : 1999,
  "sinopsis" : "Lucha",
  "actors" : [
    "Brad Pitt",
    "Edward Norton"
  ]
}
{
  "_id" : ObjectId("64ed26e9903a0d4564d0f02a"),
  "title" : "Pulp Fiction",
  "writer" : "Quentin Tarantino",
  "year" : 1994,
  "sinopsis" : "Lucha",
  "actors" : [
    "John Travolta",
    "Uma Thurman"
  ]
}
>
```

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

```
db.MOVIES.find( {$and:[{"year": {$gte: 2000}}, {"year": {$lt: 2010}}]}).pretty()
{
  "_id" : ObjectId("64ed26e9903a0d4564d0f02b"),
  "title" : "Inglorious Basterds",
  "writer" : "Quentin Tarantino",
  "year" : 2009,
  "sinopsis" : "Lucha",
  "actors" : [
    "Brad Pitt",
    "Diane Kruger",
    "Eli Roth"
  ]
}
>
```

REALIZAR LAS SIGUIENTES ACTUALIZACIONES

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:{"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 }
>
```

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:{"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" : 1, "modifiedCount" : 1 }
>
```

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

```
db.MOVIES.updateOne({"title": "Pulp Fiction"}, {$set:{"actors": ["Samuel L. Jackson", "John Travolta", "Uma Thurman"] }})
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
>
```

por texto:

```
1. Encontrar las películas que en la sinopsis contengan
la palabra "Bilbo"
> db.MOVIES.find({"sinopsis": /Bilbo/}).pretty()
{
  "_id" : ObjectId("64ed26e9903a0d4564d0f02d"),
  "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"
}
```

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

> db.MOVIES.find({"sinopsis": /Gandalf/}).pretty()
{
  "_id" : ObjectId("64ed26e9903a0d4564d0f02d"),
  "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"
}
```


3. 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" }
```

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

```
> db.MOVIES.find({$or:[ {"sinopsis": /dwarves/},
{"sinopsis": /hobbit/}]}).pretty()
{
  "_id" : ObjectId("64ed26e9903a0d4564d0f02c"),
  "title" : "The Hobbit: An Unexpected Journey",
  "writer" : "J.R.R. Tolkien",
  "year" : 2012,
  "sinopsis" : "The dwarves, ",
  "franchise" : "The Hobbit"
}
{
  "_id" : ObjectId("64ed26e9903a0d4564d0f02d"),
  "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"
}
>
```

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

```
db.MOVIES.find({ ... $and: [ ... { sinopsis: { $regex:
"gold" } }, ... { sinopsis: { $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" }
```

Eliminar:

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

```
db.MOVIES.deleteOne({ title: "Pee Wee Herman's Big Adventure" });
{ "acknowledged" : true, "deletedCount" : 1 }
```
2. • Eliminar la película "Avatar"

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

