	Bases de dades – MongoDB	
	Nom i Cognoms:	Data:

Documents a Insertar

Introduïu els següents documents en una col·lecció trucada `movies`.

`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`

	Codi: Exàmens	Data del Format:24-10-2014	Pàgina 1 de 11
	C/ Ferrer i Busquets, 17	25230-Mollerussa	E-mail: lasallemollerussa@lasalle.cat
	Tel. 973 600 270	Fax 973 710 599	http://www.mollerussa.lasalle.cat

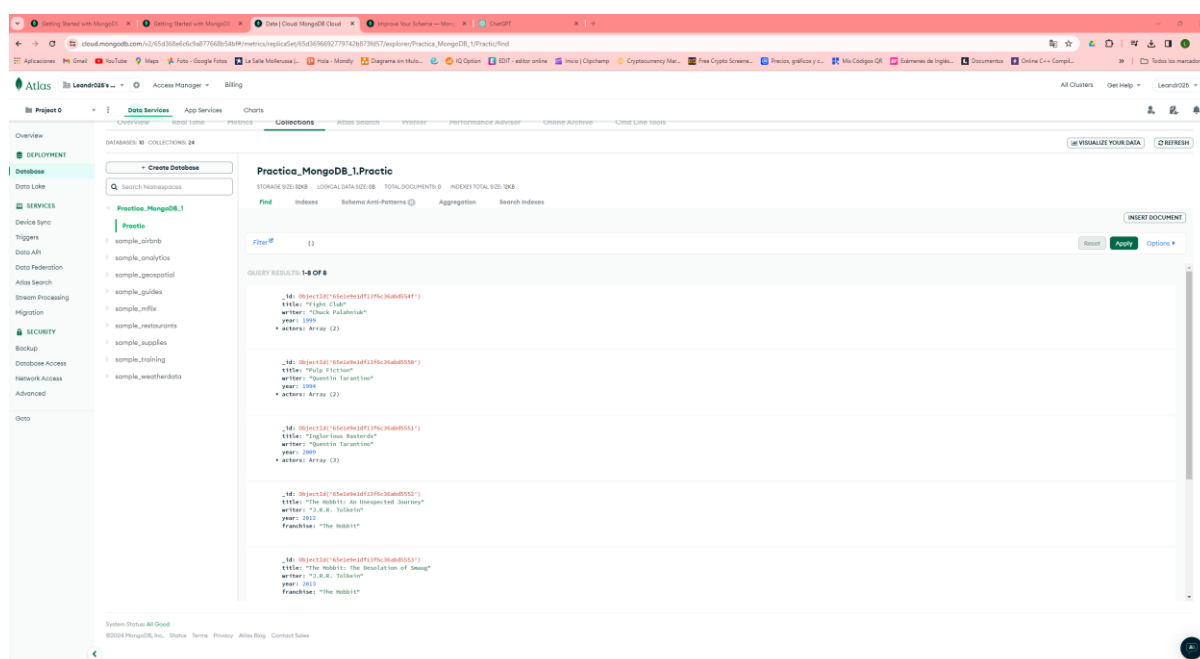
	Bases de dades – MongoDB	
	Nom i Cognoms:	Data:

Consultes / Buscar documents

Realitzeu les següents consultes a la col·lecció `movies`:

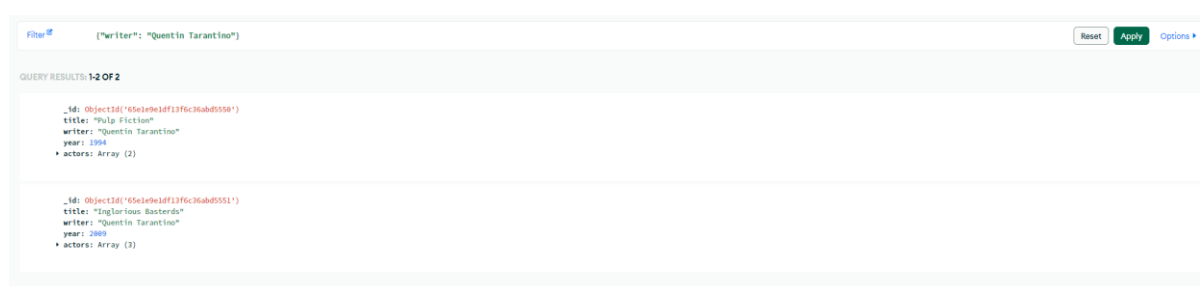
- Obtenir tots els documents

Filter {}




- Obtenir documents amb `writer` igual a "Quentin Tarantino"


Filter {"writer": "Quentin Tarantino"}



- Obtenir documents amb actors inclosos a "Brad Pitt"

Filter {"actors": "Brad Pitt"}

	Codi: Exàmens	Data del Format: 24-10-2014	Pàgina 2 de 11
	C/ Ferrer i Busquets, 17 Tel. 973 600 270	25230-Mollerussa Fax 973 710 599	E-mail: lasallemollerussa@lasalle.cat http://www.mollerussa.lasalle.cat

	Bases de dades – MongoDB	
	Nom i Cognoms:	Data:

Practica_MongoDB_1.Practic

STORAGE SIZE: 32KB LOGICAL DATA SIZE: 0B TOTAL DOCUMENTS: 0 INDEXES TOTAL SIZE: 12KB

Find Indexes Schema Anti-Patterns Aggregation Search Indexes

Filter Reset Apply Options

QUERY RESULTS: 1-2 OF 2

```

_id: ObjectId('65e9e1df13f6c36abd554f')
title: "Fight Club"
writer: "Chuck Palahniuk"
year: 1999
actors: Array (2)
  0: "Brad Pitt"
  1: "Edward Norton"

_id: ObjectId('65e9e1df13f6c36abd5551')
title: "Inglorious Basterds"
writer: "Quentin Tarantino"
year: 2009
actors: Array (3)
  0: "Brad Pitt"
  1: "Diane Kruger"
  2: "Eli Roth"

```

4. Obtenir documents amb franchise igual a "El Hobbit"

Filter {"franchise": "The Hobbit"}

Practica_MongoDB_1.Practic

STORAGE SIZE: 32KB LOGICAL DATA SIZE: 0B TOTAL DOCUMENTS: 0 INDEXES TOTAL SIZE: 12KB

Find Indexes Schema Anti-Patterns Aggregation Search Indexes

Filter Reset Apply Options

QUERY RESULTS: 1-3 OF 3

```

_id: ObjectId('65e1e9e1df13f6c36abd5552')
title: "The Hobbit: An Unexpected Journey"
writer: "J.R.R. Tolkein"
year: 2012
franchise: "The Hobbit"


_id: ObjectId('65e1e9e1df13f6c36abd5553')
title: "The Hobbit: The Desolation of Smaug"
writer: "J.R.R. Tolkein"
year: 2013
franchise: "The Hobbit"


_id: ObjectId('65e1e9e1df13f6c36abd5554')
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 co..."

```

5. Obtenir totes les pel·lícules dels anys 90.

Filter {"year": {"\$gt": 1990, "\$lt": 2000}}


	Codi: Exàmens	Data del Format: 24-10-2014	Pàgina 3 de 11
	C/ Ferrer i Busquets, 17	25230-Mollerussa	E-mail: lasallemollerussa@lasalle.cat
	Tel. 973 600 270	Fax 973 710 599	http://www.mollerussa.lasalle.cat

	Bases de dades – MongoDB	
	Nom i Cognoms:	Data:

Practica_MongoDB_1.Practic

STORAGE SIZE: 32KB LOGICAL DATA SIZE: 0B TOTAL DOCUMENTS: 0 INDEXES TOTAL SIZE: 12KB

Find Indexes Schema Anti-Patterns ① Aggregation Search Indexes

Filter  {"year": {"\$gt": 1990, "\$lt": 2000}}

QUERY RESULTS: 1-2 OF 2

```

_id: ObjectId('65e1e9e1df13f6c36abd554f')
title: "Fight Club"
writer: "Chuck Palahniuk"
year: 1999
▶ actors: Array (2)

```


```

_id: ObjectId('65e1e9e1df13f6c36abd5550')
title: "Pulp Fiction"
writer: "Quentin Tarantino"
year: 1994
▶ actors: Array (2)

```

6. Obtenir les pel·lícules estrenades entre l'any 2000 i 2010.

Filter {"year": {"\$gt": 2000, "\$lt": 2010}}

	Codi: Exàmens	Data del Format:24-10-2014	Pàgina 4 de 11
	C/ Ferrer i Busquets, 17	25230-Mollerussa	E-mail: lasallemollerussa@lasalle.cat
	Tel. 973 600 270	Fax 973 710 599	http://www.mollerussa.lasalle.cat

Nom i Cognoms:

Data:

Practica_MongoDB_1.Practic

STORAGE SIZE: 32KB LOGICAL DATA SIZE: 0B TOTAL DOCUMENTS: 0 INDEXES TOTAL SIZE: 12KB

Find

Indexes

Schema Anti-Patterns 0

Aggregation

Search Indexes

Filter

```
{"year": {"$gt": 2000, "$lt": 2010}}
```


QUERY RESULTS: 1-1 OF 1

```
_id: ObjectId('65e1e9e1df13f6c36abd5551')
title: "Inglorious Basterds"
writer: "Quentin Tarantino"
year: 2009
actors: Array (3)
```

Actualitzar documents

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."

```
_id: ObjectId('65e1e9e1df13f6c36abd5552')
title: "The Hobbit: An Unexpected Journey"
writer: "J.R.R. Tolkein"
year: 2012
franchise: "The Hobbit"
sinopsis: "A reluctant hobbit, Bilbo Baggins, sets out to the Lonely Mountain wit..."
```

	Bases de dades – MongoDB	
Nom i Cognoms:		Data:

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."

```

_id: ObjectId('65e1e9e1df13f6c36abd5553')
title: "The Hobbit: The Desolation of Smaug"
writer: "J.R.R. Tolkein"
year: 2013
franchise: "The Hobbit"
sinopsis: "The dwarves, along with Bilbo Baggins and Gandalf the Grey, continue t..."


```

3. Agregar un actor anomenat "Samuel L. Jackson" a la pel·lícula "Pulp Fiction"

```

_id: ObjectId('65e1e9e1df13f6c36abd5550')
title: "Pulp Fiction"
writer: "Quentin Tarantino"
year: 1994
▼ actors: Array (3)
  0: "John Travolta"
  1: "Uma Thurman"
  2: "Samuel L. Jackson"

```

	Bases de dades – MongoDB	
Nom i Cognoms:		Data:

Búsqueda de Text / Cerca de text

1. Trobar les pel·lícules que hi ha a la sinopsi contenguin la paraula "Bilbo"

Filter { "synopsis": { "\$regex": "Bilbo", "\$options": "i" } }

Filter 

```
{ "synopsis": { "$regex": "Bilbo", "$options": "i" } }
```

QUERY RESULTS: 1-1 OF 1

```

_id: ObjectId('65e1e9e1df13f6c36abd5554')
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 co..."

```

2. Trobar les pel·lícules que en la sinopsi conté la paraula "Gandalf"

Filter { "synopsis": { "\$regex": "Gandalf", "\$options": "i" } }

Filter 


```
{ "synopsis": { "$regex": "Gandalf", "$options": "i" } }
```

QUERY RESULTS: 1-1 OF 1

```

_id: ObjectId('65e1e9e1df13f6c36abd5553')
title: "The Hobbit: The Desolation of Smaug"
writer: "J.R.R. Tolkien"
year: 2013
franchise: "The Hobbit"
synopsis: "The Hobbit: The Desolation of Smaug" : "The dwarves, along with Bilbo ..."

```

	Bases de dades – MongoDB	
	Nom i Cognoms:	Data:

3. Trobar les pel·lícules que en la sinopsi conté la paraula "Bilbo" i no la paraula "Gandalf"

Filter {

"\$and": [

{ "synopsis": { "\$regex": "Bilbo", "\$options": "i" } },

{ "synopsis": { "\$not": { "\$regex": "Gandalf", "\$options": "i" } } }

]

}

Filter

```

{
  "$and": [
    { "synopsis": { "$regex": "Bilbo", "$options": "i" } },
    { "synopsis": { "$not": { "$regex": "Gandalf", "$options": "i" } } }
  ]
}

```

QUERY RESULTS: 1-2 OF 2

```


_id: ObjectId('65ele9e1df13f6c36abd5552')
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 wit..."

```

```

_id: ObjectId('65ele9e1df13f6c36abd5554')
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 co..."

```


	Bases de dades – MongoDB	
Nom i Cognoms:		Data:

4. Trobar les pel·lícules que en la sinopsi contenguin la paraula "dwarves" o "hobbit"

Filter {

"\$or": [

{ "synopsis": { "\$regex": "dwarves", "\$options": "i" } },

{ "synopsis": { "\$regex": "hobbit", "\$options": "i" } }

]

}

Filter

```

{
  "$or": [
    { "synopsis": { "$regex": "dwarves", "$options": "i" } },
    { "synopsis": { "$regex": "hobbit", "$options": "i" } }
  ]
}

```

QUERY RESULTS: 1-2 OF 2

```


_id: ObjectId('65e1e9e1df13f6c36abd5552')
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 wit..."

```

```

_id: ObjectId('65e1e9e1df13f6c36abd5553')
title: "The Hobbit: The Desolation of Smaug"
writer: "J.R.R. Tolkein"
year: 2013
franchise: "The Hobbit"
synopsis: "The Hobbit: The Desolation of Smaug" : "The dwarves, along with Bilbo ..."

```

	Bases de dades – MongoDB	
Nom i Cognoms:		Data:

5. Trobar les pel·lícules que a la sinopsi conté la paraula "gold" i "dragon"


```
{
  "$and": [
    { "synopsis": { "$regex": "gold", "$options": "i" } },
    { "synopsis": { "$regex": "dragon", "$options": "i" } }
  ]
}
```

Filter

```
{
  "$and": [
    { "synopsis": { "$regex": "gold", "$options": "i" } },
    { "synopsis": { "$regex": "dragon", "$options": "i" } }
  ]
}
```

QUERY RESULTS: 1-1 OF 1

```
_id: ObjectId('65e1e9e1df13f6c36abd5552')
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 wit..."
```

	Bases de dades – MongoDB	
Nom i Cognoms:		Data:

Eliminar documents

1. Eliminar la pel·lícula "Pee Wee Herman's Big Adventure"

```

{
  "_id": ObjectId("65e1e9df13f6c36ad555"),
  "title": "Pee Wee Herman's Big Adventure"
}

```

Document flagged for deletion.

2. Eliminar la pel·lícula "Avatar"

```

{
  "_id": ObjectId("65e1e9df13f6c36ad556"),
  "title": "Avatar"
}

```

Document flagged for deletion.