

Nivell 1

Exercici 1

Mostra els 2 primers comentaris que hi ha en la base de dades.

The screenshot shows the MongoDB Compass interface. The 'Documents' tab is selected, showing 50.3K documents. A query is entered in the search bar: `{}`. The 'Sort' field is set to `{ field: -1 } or [['field', -1]]`. The 'Limit' is set to 2. The 'Find' button is clicked. The results show two documents:

```
{ "_id": ObjectId("5a9427648b0beeb69579cc"), "name": "Andrea Le", "email": "andrea_le@fakegmail.com", "movie_id": ObjectId("573a1390f29313caabcd418c"), "text": "Rem officiis eaque repellendus amet eos doloribus. Porro dolor volupta...", "date": 2012-03-26T23:20:16.000+00:00 }
```

```
{ "_id": ObjectId("5a9427648b0beeb69579cf"), "name": "Greg Powell", "email": "greg_powell@fakegmail.com", "movie_id": ObjectId("573a1390f29313caabcd41b1"), "text": "Tenetur dolorum molestiae ea. Eligendi praesentium unde quod porro. Co...", "date": 1987-02-10T00:29:36.000+00:00 }
```

Quants usuaris tenim registrats?

185 Usuaris

The screenshot shows the MongoDB Compass interface. The 'Documents' tab is selected, showing 185 documents. A query is entered in the search bar: `{ field: 'value' }`. The 'Find' button is clicked. The results show five documents:

```
{ "_id": ObjectId("59b99db4cfa9a34dcd7885b6"), "name": "Ned Stark", "email": "sean_bean@gameofthron.es", "password": "$2b$12$UREFwsRUoyF0CRqGNK0Lz00HM/jLhgUCNNI39RJAqMUQ74cr1J1Vu" }
```

```
{ "_id": ObjectId("59b99db4cfa9a34dcd7885b7"), "name": "Robert Baratheon", "email": "mark_addy@gameofthron.es", "password": "$2b$12$yGqxLG9LzPxA2xVDhuPnS0Zd.VURVxz7wg0LY3pn00s7u2S1Z032y" }
```

```
{ "_id": ObjectId("59b99db5cfa9a34dcd7885b8"), "name": "Jaime Lannister", "email": "nikolaj_coster-waldau@gameofthron.es", "password": "$2b$12$6vz7wiw0.EISRilvqlzUc./9480gb1uPtXcahDxiadgyC3PS8XCUC" }
```

```
{ "_id": ObjectId("59b99db5cfa9a34dcd7885b9"), "name": "Catelyn Stark", "email": "michelle_fairley@gameofthron.es", "password": "$2b$12$fiatH5Sh1zKNFX2i/FTErWGjxoJxvmV7XL.q1fqCr8Cw0xK.mZWS" }
```

```
{ "_id": ObjectId("59b99db6cfa9a34dcd7885ba"), "name": "Cersei Lannister", "email": "lena_headey@gameofthron.es" }
```

Quants cinemes hi ha en l'estat de Califòrnia?

169 Cinemes

The screenshot shows the MongoDB Compass interface. The 'Documents' tab is active, displaying 1.6K documents. A query is entered in the search bar: `{ "location.address.state": "CA" }`. The results show a list of movie documents, each containing an `_id`, `theaterId`, and a `location` object. The first five documents are visible, showing different theater IDs (1008, 1009, 1018, 1011, 1019) and their corresponding location objects.

Quin va ser el primer usuari/ària en registrar-se?

Ned Stark

The screenshot shows the MongoDB Compass interface. The 'Documents' tab is active, displaying 185 documents. A query is entered in the search bar: `{ field: 'value' }`. The results show a list of user documents, each containing an `_id`, `name`, `email`, and `password`. The first three documents are visible, showing names like 'Ned Stark', 'Robert Baratheon', and 'Jaime Lannister'. The email for 'Ned Stark' is 'sean_bean@gameofthron.es'.

Quantes pel·lícules de comèdia hi ha en la nostra base de dades?

7024 Pel·lícules

The screenshot shows the MongoDB Compass interface. At the top, a query filter is set to `{ "genres": "Comedy" }`. Below the query bar, there are buttons for `ADD DATA`, `EXPORT DATA`, `UPDATE`, and `DELETE`. The main area displays a JSON document for a movie. The document includes fields like `_id`, `plot`, `genres` (an array containing "Animation", "Short", and "Comedy"), `runtime`, `cast`, `poster`, `title`, `fullplot`, `languages`, `released`, `directors`, `writers`, `awards`, `year`, `imdb`, `countries`, `type`, and `tomatoes`. The bottom right corner of the interface shows the text "MongoDB Compass".

Exercici 2

Mostra'm tots els documents de les pel·lícules produïdes en 1932, però que el gènere sigui drama o estiguin en francès.

18

The screenshot shows the MongoDB Compass interface with a query filter set to `{ "year": 1932, "$or": [{ "genres": "Drama" }, { "languages": "French" }] }`. The main area displays a JSON document for a movie. The document includes fields like `_id`, `plot`, `runtime`, `rated`, `cast`, `num_mflix_comments`, `poster`, `title`, `lastupdated`, `languages`, `released`, `directors`, `writers`, `awards`, `year`, `imdb`, `countries`, `type`, `tomatoes`, and `viewer` (which contains `rating` and `numReviews`). The bottom right corner of the interface shows the text "MongoDB Compass".

Exercici 3

Mostra'm tots els documents de pel·lícules estatunidenques que tinguin entre 5 i 9 premis que van ser produïdes entre 2012 i 2014.

Documents 23.5K Aggregations Schema Indexes 1 Validation

```
{
  "countries": "USA",
  "awards.wins": { "$gte": 5, "$lte": 9 },
  "year": { "$gte": 2012, "$lte": 2014 }
}
```

Generate query Explain Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE

100 1 - 100 of 166

```
{
  "_id": ObjectId('573a13acf29313caabd29366')
  fullplot: "The manager of the negative assets sector of Life magazine, Walter Mit..."
  imdb: Object
  year: 2013
  plot: "When his job along with that of his co-worker are threatened, Walter t..."
  genres: Array (3)
  rated: "PG"
  metacritic: 54
  title: "The Secret Life of Walter Mitty"
  lastupdated: "2015-08-31 00:10:51.747000000"
  languages: Array (3)
  writers: Array (3)
  type: "movie"
  tomatoes: Object
  poster: "https://m.media-amazon.com/images/M/MV5BODYwNDYxNDk1N15BM15BanBnXkFtZT..."
  num_mflix_comments: 1
  released: 2013-12-25T00:00:00.000+00:00
  awards: Object
  countries: Array (2)
  cast: Array (4)
  directors: Array (1)
  runtime: 114
}
```

Nivell 2

Exercici 1

Compte quants comentaris escriu un usuari/ària que utilitza "GAMEOFTHRON.ES" com a domini de correu electrònic.

Generate

```
{
  $match: {
    "email": { $regex: "@gameofthron\\.es$" }
  }
},
```

Explain Export Run Options

Untitled - modified SAVE CREATE NEW EXPORT TO LANGUAGE PREVIEW STAGES TEXT WIZARD

```
1  $regex: "@gameofthron\\.es$"
4  }
5  }
```

```
{
  "_id": ObjectId('5a9427648b0beeb69579d0')
  name: "Talisa Maegyr"
  email: "oona_chaplin@gameofthron.es"
  movie_id: ObjectId('573a1390f29313caabcd41b...')
  text: "Rem itaque ad sit rem voluptatibus. Ad fugiat maxime illum optio iure ..."
  date: 1998-08-22T11:45:03.000+00:00
}
```

```
{
  "_id": ObjectId('5a9427648b0beeb69579d0')
  name: "Petyr Baelish"
  email: "aidan_gillen@gameofthron.es"
  movie_id: ObjectId('573a1390f29313caabcd41b...')
  text: "Quo deserunt ipsam ipsui nemo nam sint praesentiu..."
  date: 2001-07-13T19:25:09.000+00:00
}
```

Stage 2 \$count

```
1  "total_comentarios"
```

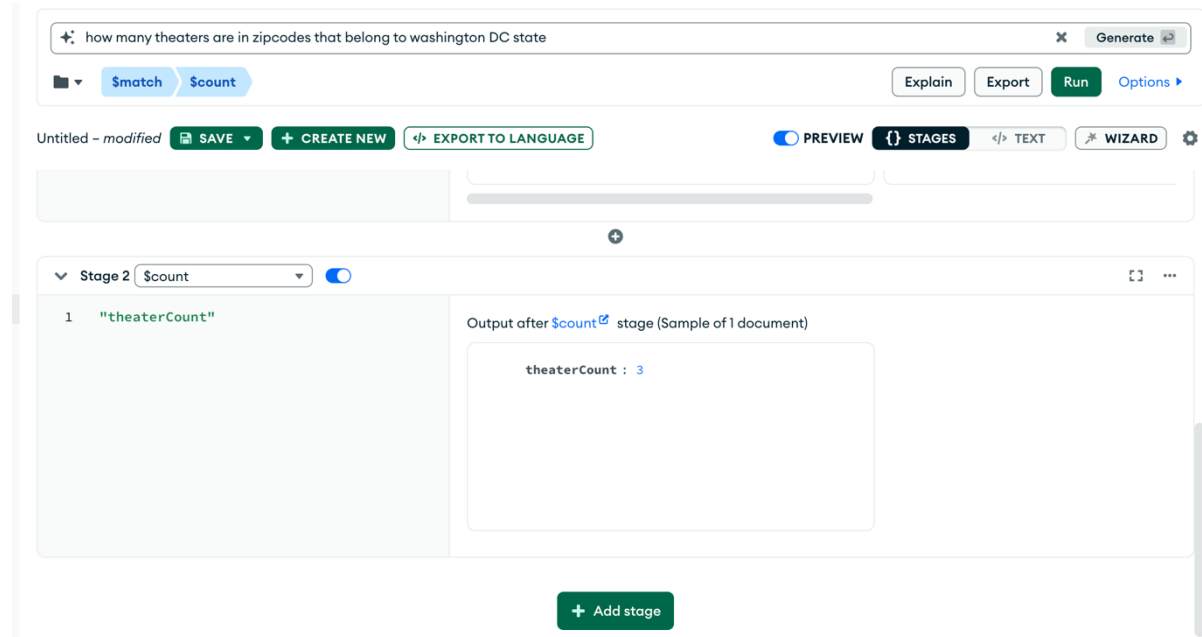
Output after \$count stage (Sample of 1 document)

```
total_comentarios: 22841
```

Exercici 2

Quants cinemes hi ha en cada codi postal situats dins de l'estat Washington D. C. (DC)?

3 Cinemes



Nivell 3

Exercici 1

Troba totes les pel·lícules dirigides per John Landis amb una puntuació IMDb (Internet Movie Database) d'entre 7,5 i 8.

4 Pel·lícules

Documents 23.5K Aggregations Schema Indexes 1 Validation

Tell us what to find (e.g. movies from 2000) or paste a query in another language (SQL, Java, etc.) Generate

`{ "directors": "John Landis", "imdb.rating": { "$gte": 7.5, "$lte": 8 } }` Explain Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE 100 1 - 4 of 4

```

_id: ObjectId('573a1397f29313caabce6d94')
fullplot: "Faber College has one frat house so disreputable it will take anyone. ..."
imdb: Object
  year: 1978
  plot: "At a 1962 college, Dean Vernon Wormer is determined to expel the entire ..."
  genres: Array (1)
  rated: "R"
  metacritic: 82
  title: "Animal House"
  lastupdated: "2015-09-13 00:02:47.803000000"
languages: Array (2)
writers: Array (3)
type: "movie"
tomatoes: Object
  poster: "https://m.media-amazon.com/images/M/MV5BM2M2ZDA4MTYtOGRjMi00OTg5LWI1ZT..."
  num_mflix_comments: 1
  released: 1978-07-28T00:00:00.000+00:00
awards: Object
countries: Array (1)
cast: Array (4)
directors: Array (1)
runtime: 109

```

Exercici 2

Mostra en un mapa la ubicació de tots els teatres de la base de dades.

Documents 1.6K Aggregations **Schema** Indexes 1 Validation

location map of all the theaters location Generate

`{}` Reset Analyze Options

Project `{"location.geo": 1, "_id": 0}`

Sort `{ field: -1 } or [['field', -1]]`

Collation `{ locale: 'simple' }`

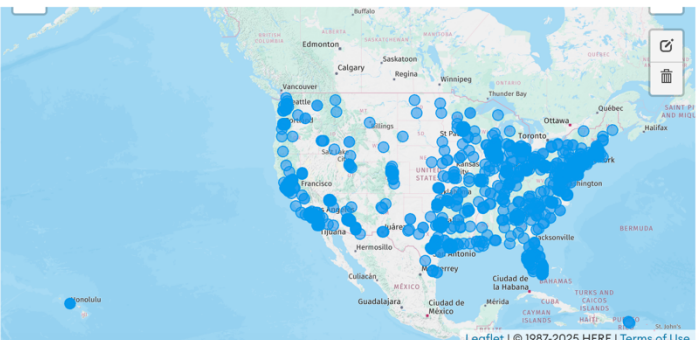
Index Hint `{ field: -1 }`

Max Time MS

Skip **Limit**

EXPORT SCHEMA

This report is based on a sample of 1000 documents. [Learn more](#)



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