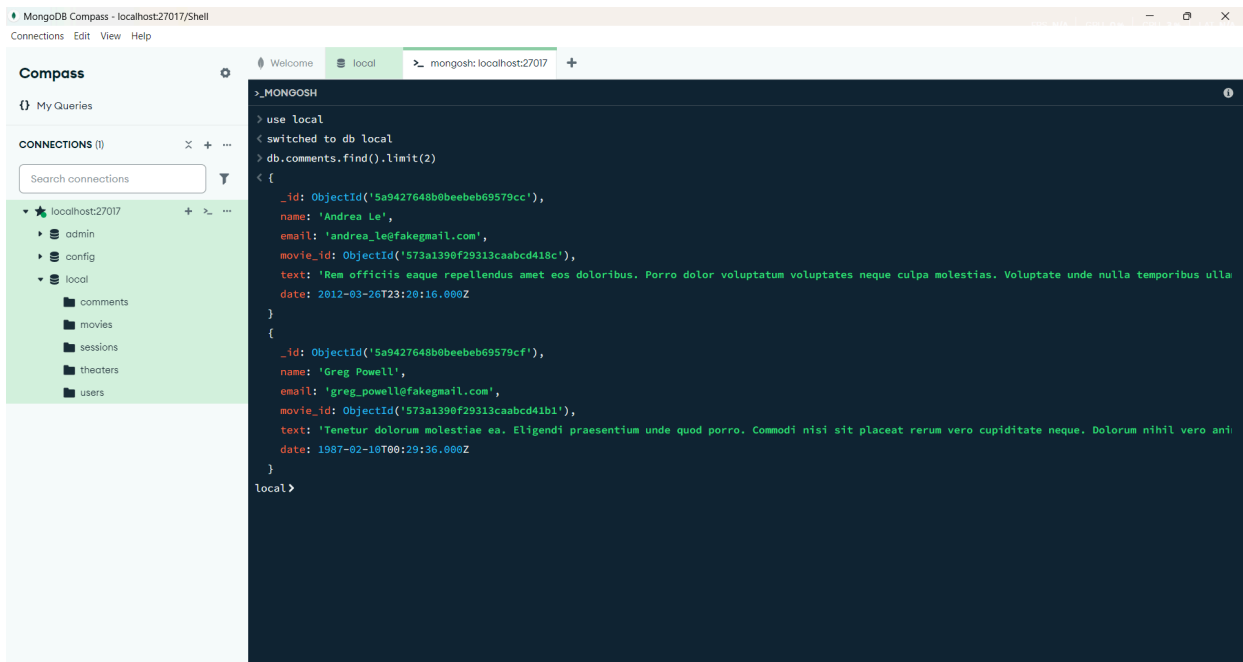


○ Nivel 1

- Crea una base de datos con MongoDB utilizando como colecciones los archivos adjuntos.

- Muestra los 2 primeros comentarios que aparecen en la base de datos.



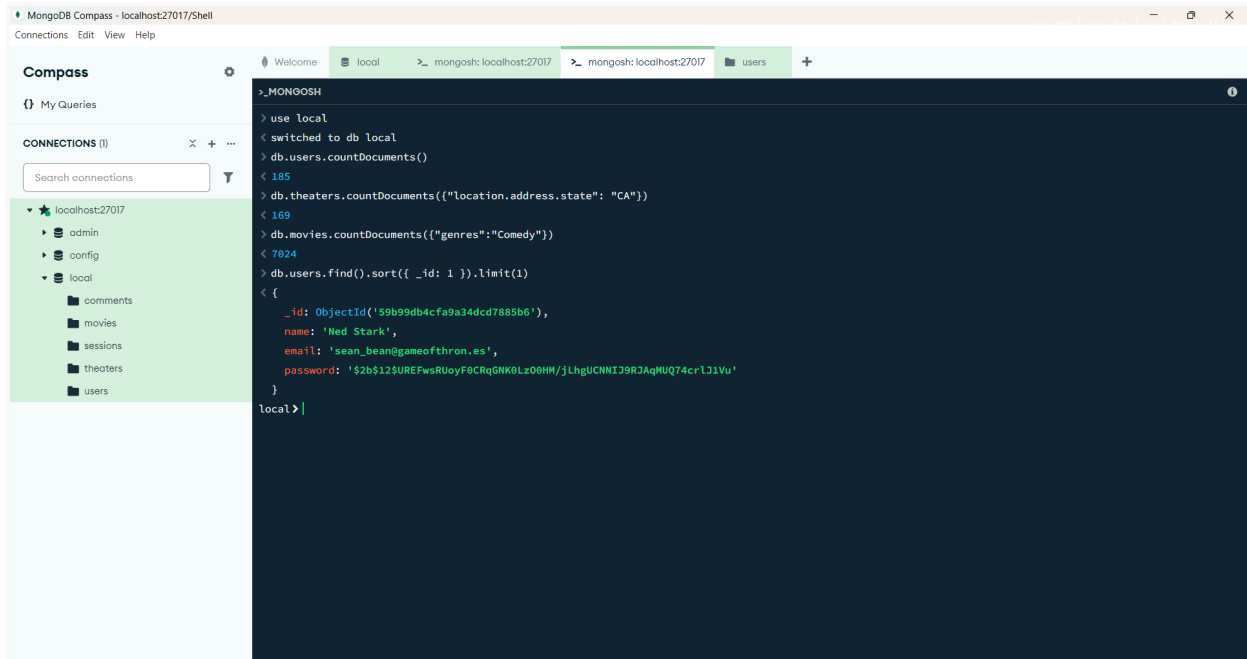
```
MongoDB Compass - localhost:27017/Shell
Connections Edit View Help

Compass
My Queries

CONNECTIONS (1)
Search connections
localhost:27017
  admin
  config
  local
    comments
    movies
    sessions
    theaters
    users

>_MONGOSH
use local
switched to db local
db.comments.find().limit(2)
< [
  {
    _id: ObjectId('5a9427648b0beebe69579cc'),
    name: 'Andrea Le',
    email: 'andrea_le@fakegmail.com',
    movie_id: ObjectId('573a1390f29313caabcd418c'),
    text: 'Rem officiiis eaque repellendus amet eos doloribus. Porro dolor voluptatum voluptates neque culpa molestias. Voluptate unde nulla temporibus ulla',
    date: 2012-03-26T23:20:16.000Z
  },
  {
    _id: ObjectId('5a9427648b0beebe69579cf'),
    name: 'Greg Powell',
    email: 'greg_powell@fakegmail.com',
    movie_id: ObjectId('573a1390f29313caabcd41b1'),
    text: 'Tenetur dolorum molestiae ea. Eligendi praesentium unde quod porro. Commodi nisi sit placeat rerum vero cupiditate neque. Dolorum nihil vero ani',
    date: 1987-02-10T00:29:36.000Z
  }
]
local>
```

- ¿Cuántos usuarios tenemos registrados?
- ¿Cuántos cines existen en el estado de California?
- ¿Cuál fue el primer usuario en registrarse?
- ¿Cuántas películas de comedia existen en nuestra base de datos?



- Ejercicio 2

Muéstrame todos los documentos de las películas producidas en 1932, pero que el género sea drama o estén en francés.

The screenshot shows the MongoDB Compass interface. The left sidebar displays the database structure with collections like 'admin', 'config', 'local', 'comments', 'movies', 'sessions', 'theaters', and 'users'. The 'movies' collection is selected. The main panel shows a query: `{ "year": 1932, $or: [{ "genres": "Drama" }, { "languages": "French" }] }`. The results pane shows two document snippets. The first document is for 'The Blood of a Poet' (1932, Drama, French). The second document is for 'The Blue Light' (1932, Drama, French).

- Ejercicio 3

Muéstrame todos los documentos de películas estadounidenses que tengan entre 5 y 9 premios que fueron producidas entre 2012 y 2014.

The screenshot shows the MongoDB Compass interface. The left sidebar displays the database structure with collections like 'admin', 'config', 'local', 'comments', 'movies', 'sessions', 'theaters', and 'users'. The 'movies' collection is selected. The main panel shows a query: `{ "countries": "USA", "year": { "$gte": 2012, "$lte": 2014 }, "awards.wins": { "$gte": 5, "$lte": 9 } }`. The results pane shows two document snippets. The first document is for 'The Secret Life of Walter Mitty' (2013, Drama, English). The second document is for 'The Blue Light' (1932, Drama, French).

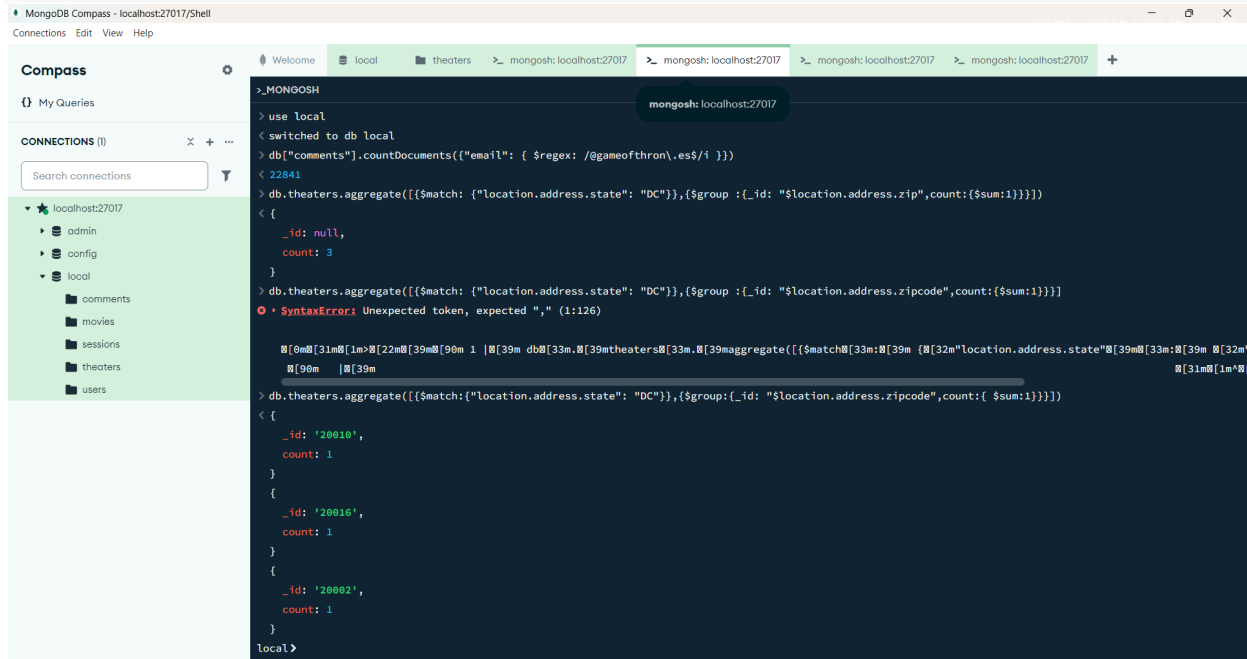
Nivel 2

- Ejercicio 1

Cuenta cuántos comentarios escribe un usuario que utiliza "GAMEOFTHRON.ES" como dominio de correo electrónico.

- Ejercicio 2

¿Cuántos cines existen en cada código postal situados dentro del estado Washington DC (DC)?



```
> use local
< switched to db local
> db["comments"].countDocuments({"email": { $regex: /@gameofthron\.es$/i }})
< 22841
> db.theaters.aggregate([{$match: {"location.address.state": "DC"}},{$group :{_id: "$location.address.zip",count:{$sum:1}}}]
< {
  _id: null,
  count: 3
}
> db.theaters.aggregate([{$match: {"location.address.state": "DC"}},{$group :{_id: "$location.address.zipcode",count:{$sum:1}}}]
O • SyntaxError: Unexpected token, expected "," (1:126)

[{"_id":"20010","count":1}, {"_id":"20016","count":1}, {"_id":"20002","count":1}]
local>
```

Nivel 3

- Ejercicio 1

Encuentra todas las películas dirigidas por John Landis con una puntuación IMDb (Internet Movie Database) de entre 7,5 y 8.

MongoDB Compass - localhost:27017/local.movies

Connections Edit View Collection Help

Compass

{ } My Queries

CONNECTIONS (1)

Search connections

localhost:27017

- admin
- config
- local
 - comments
 - movies
 - sessions
 - theaters
 - users

localhost:27017 > local > movies

Documents 23.5K Aggregations Schema Indexes 1 Validation

{ "directors": "John Landis", "imdb.rating" : { "\$gte": 7.5, "\$lte": 8 } }

Generate query Explain Reset Find Options

ADD DATA EXPORT DATA UPDATE DELETE

100 1 - 4 of 4

```
{
  "_id": {},
  "fullplot": "Faber College has one frat house so disreputable it will take anyone. It has a second one full of white, anglo-saxon, rich young men",
  "imdb": {},
  "year": 1978,
  "plot": "At a 1962 college, Dean Vernon Wormer is determined to expel the entire Delta Tau Chi Fraternity, but those trouble-makers have other pl",
  "genres": [],
  "rated": "R",
  "metacritic": 82,
  "title": "Animal House",
  "lastupdated": "2015-09-13 00:02:47.803000000",
  "languages": [],
  "writers": [],
  "type": "movie",
  "tomatoes": {},
  "poster": "https://m.media-amazon.com/images/H/MV5BM2M2ZDA4MTYtOGRjM100OTg5LWI1ZTU0MjQxZTc2NWZjNDYkXkEyXkFqcGdeQXVyNDk3NzU2MTQ@._V1_SV1000_SX677_",
  "num_mflix_comments": 1,
  "released": {},
  "awards": {},
  "countries": [],
  "cast": [],
  "directors": [],
  "runtime": 109
}
```

```
{
  "_id": {},
  "plot": "Jake Blues, just out from prison, puts together his old band to save the Catholic home where he and brother Elwood were raised.",
  "genres": [],
  "runtime": 133,
  "rated": "R",
  "cast": []
}
```

MongoDB Compass - localhost:27017/Shell

Connections Edit View Help

Compass

{ } My Queries

CONNECTIONS (1)

Search connections

localhost:27017

- admin
- config
- local
 - comments
 - movies
 - sessions
 - theaters
 - users

localhost:27017 > local > movies

Shell

```
> use local
switched to db local
> db["movies"].find({"directors": "John Landis", "imdb.rating" : { "$gte": 7.5, "$lte": 8 } }, { title: 1, _id: 0 }).pretty()
{
  title: 'Animal House'
}
{
  title: 'The Blues Brothers'
}
{
  title: 'An American Werewolf in London'
}
{
  title: 'Trading Places'
}
local>
```