SPRINT 9

CONSULTES AMB MONGODB

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```

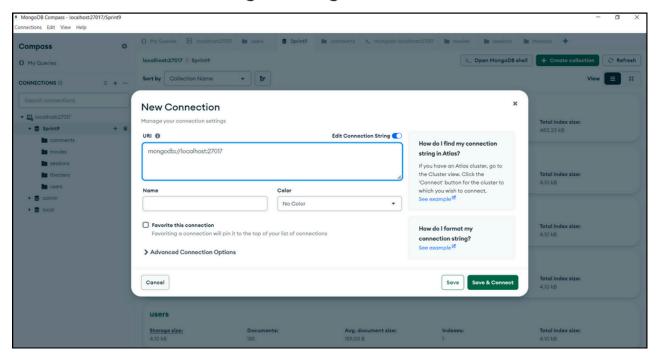
PREPARED BY:

CECIL LUNA

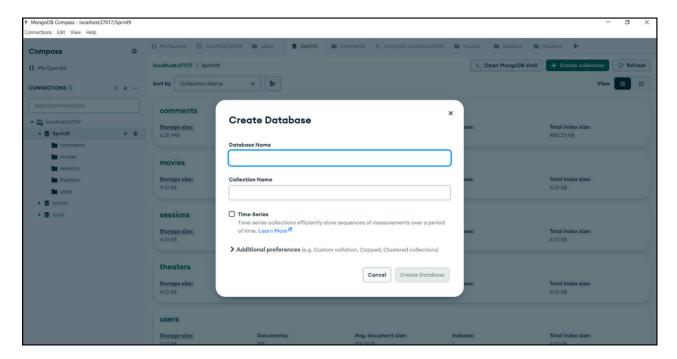




Create a database with MongoDB using the attached files as collections.



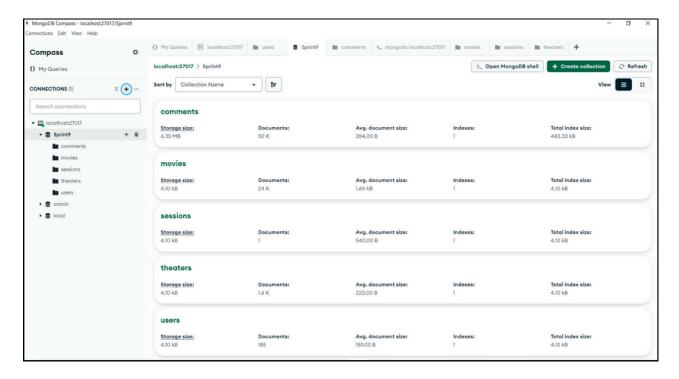
Locate the "localhost" label in your MongoDB interface. Next to this label, click the plus (+) sign to create a new database.



Enter a name for your database. For example, in this case, we'll use "Sprint 9".







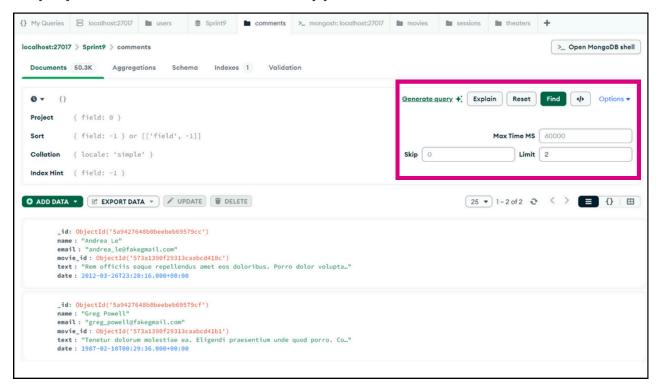
After naming your database, click on the Create Collection button. Each collection should correspond to a set of related documents like movies, theaters.





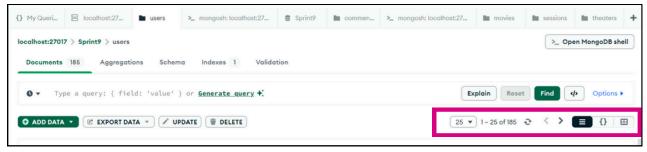
EXERCISE 1

Displays the first 2 comments that appear in the database.



To limit the data that will appear from a specific table, click the table name or the collection name (in this case the comments collection) and in the query section, click the drop down button in options and in the limit box, type the desired number of table rows, JSON document or tree structure to display. In this activity, it's 2.

How many users do we have registered?



By clicking the name of the data collection, the number of registers will appear.





```
>_MONGOSH

}
{
    _id: ObjectId('59b99dbccfa9a34dcd7885c6'),
    name: 'Sandor Clegane',
    email: 'rory_mccann@gameofthron.es',
    password: '$2b$12$DKIKOBMbN76vskkRyJlAjuELigfnx.SeG8vu73k24kfMcO637bSqa'
}
{
    _id: ObjectId('59b99dbdcfa9a34dcd7885c7'),
    name: 'Tyrion Lannister',
    email: 'peter_dinklage@gameofthron.es',
    password: '$2b$12$xtHwQNXY\QzP2REobUD\zuQimjzBlXrTx1GnwP.xkfULeuuUpRxa2'
}
{
    _id: ObjectId('59b99dbdcfa9a34dcd7885c8'),
    name: 'Khal Drogo',
    email: 'jason_momoa@gameofthron.es',
    password: '$2b$12$7tgpVkBxUqQiYFkHjZyoMuEzFUSBSI.FYkOXHu4zCRlRsa15sHQo6'
}
{
    _id: ObjectId('59b99dbecfa9a34dcd7885c9'),
    name: 'Davos Seaworth',
    email: 'liam_cunningham@gameofthron.es',
    password: '$2b$12$jbgNoWG97LHNIm4axwXDz.tkFITsmw/aylIY/\ZDaJRgnHZj8029e'
}
Type "it" for more

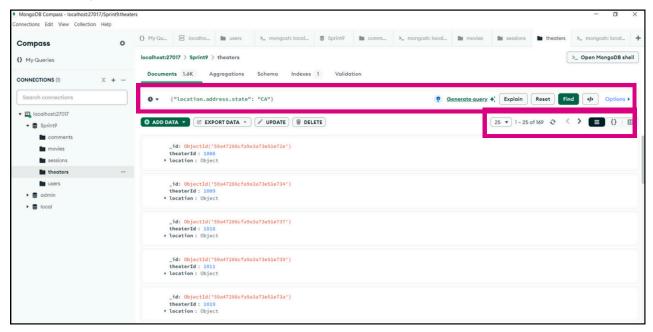
> db.users.countDocuments()
< 185
Sprint9>
```

Another option is using a code and running it in MongoDB shell. Using countDocuments(), this will count the number of documents in the specified collection.





How many theaters are there in the state of California?



Another option to query the collections is using FIND. With this code the software search the collection for documents where the state field within address, which is within location, is set to "CA". Then the documents are displayed, there are 169 registers.

Who was the first user to register?

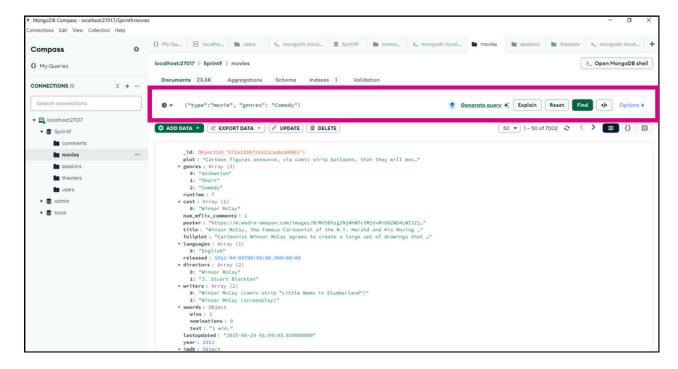


To identify the first register, just limit it to 1. In the user collection, Ned Stark is the first user to register.





How many comedy movies are in our database?



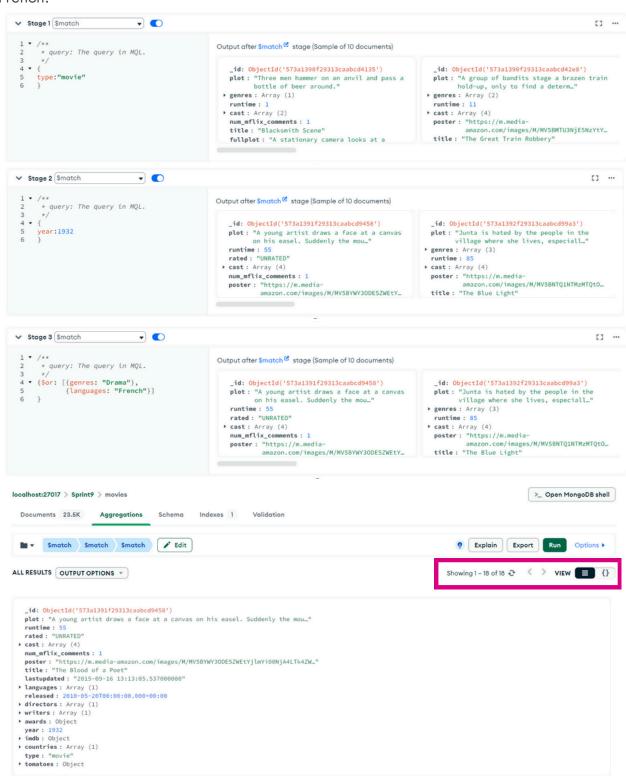
Since type and genre are required in this exercise, 2 filters are included in the query, only movies for the type and comedy for genres will be fetched.





EXERCISE 2

Show all the documents of films produced in 1932, but that the genre is drama or are in French.







To fetch the information needed, aggregation stage was used. This was used to filter the necessary information needed and to process the data filters step by step.

STAGE 1

In this stage on the movies under the category type is fetched.

STAGE 2

The results from stage 1 is filtered by year.

STAGE 3

The results from stage 2 is filtered in a certain condition. The query finds documents that meet at least one, movie in 1932 that is either a drama or in French.

And by clicking RUN it displayed the results that meet the conditions of the filters.

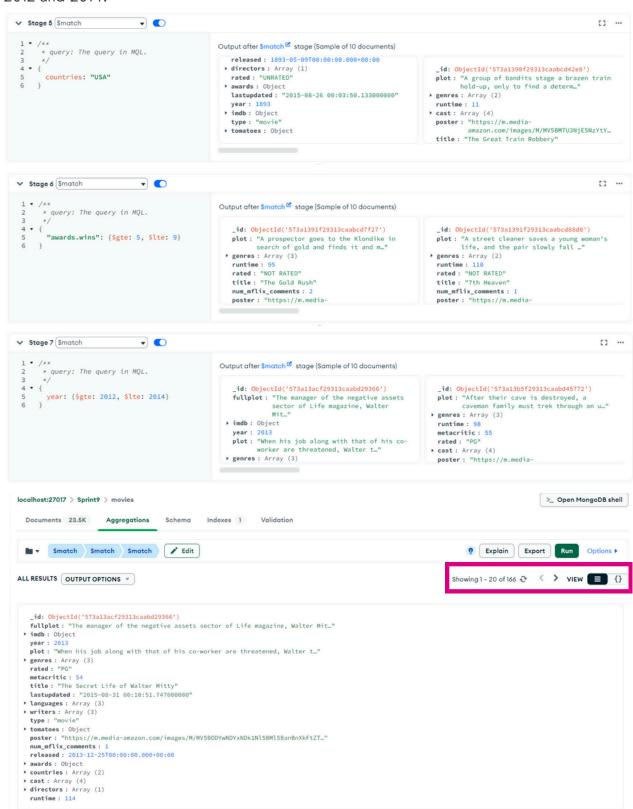
There are 18 results.





EXERCISE 3

Show all US film docs that have between 5 and 9 awards that were produced between 2012 and 2014.







This is not the best way to show the process of this exercise but before the execution of the query, the previous filters were disabled to ensure the reliability of the results.

STAGE 1

Only movies that are in the USA are fetched.

STAGE 2

The results from STAGE 1 is filtered to only movies from the USA with awards and they won between 5 to 9 awards.

STAGE 3

The results from STAGE 2 is filtered to only movies from the USA with awards and they won between 5 to 9 awards in year between 2012 to 2014.

And by clicking RUN it displayed the results that meet the conditions of the filters.

There are 166 results.