

**CS 5200 Homework 9**

Use MongoDB Compass to connect to the Mongo Atlas database to create the following filters.

**The address for the database is: mongodb+srv://student:student@cluster0.jabrq.mongodb.net/test**

Paste the above connection string into MongoDB Compass and connect.

**Please submit a text file, preferably a pdf file with the filters, to canvas named hwk9lastnamefi.pdf.**

1. Write a filter to return all films (type is movie) having the title **“Titanic”**.

{type: "movie", title: "Titanic"}

1. How many records are returned for question 1?

2

1. Write a filter that returns all the films (type is movie) that are directed by **"Jean Negulesco"** ?

{type: "movie", directors: "Jean Negulesco"}

1. How many records are returned for question 3?

8

1. Write a filter that returns all the films (type is movie) that are directed by **"Jean Negulesco"** and has a rated field value  **“APPROVED”**?

{type: "movie", directors: "Jean Negulesco", rated:"APPROVED"}

1. How many records are returned for question 5?

2

1. Write a filter to return all films (type is movie).

{type: "movie"}

1. How many records are returned for question 7?

23276

1. Write a filter that returns all films (type is movie) that have a rating of **“APPROVED”** or a rating of **“NOT RATED”**?

{type: "movie", $or: [{rated: "APPROVED"},{rated: "NOT RATED"}]}

1. How many records are returned for question 9?

2051

1. Write a filter that returns all films (type is movie) that have a rating of **“APPROVED”** **or** a rating of **“NOT RATED”** and directed by **“Jean Negulesco"**?

{type: "movie", $or: [{rated: "APPROVED", directors:"Jean Negulesco"},{rated: "NOT RATED", directors:"Jean Negulesco"}]}

1. How many records are returned for question 11?

3

1. Write a filter to return all films (type is movie) that have **exactly** 2 languages.

{type: "movie", languages: {$size:2}}

1. How many records are returned for question 13?

3640

1. Write a filter that returns all films (type is movie) that have **more than** 1 language.

{type: "movie", "languages.1": {$exists: true}}

1. How many records are returned for question 15?

6021

1. Write a filter to return all film (type is movie) that have an **IMDB rating > 9.1**

{type: "movie", "imdb.rating": {$gt: 9.1}}

1. How many records are returned for question 17?

5

1. Write a filter to return all films (type is movie) that has a **rotten tomatoes viewer rating > 4**?

{type: "movie", "tomatoes.viewer.rating": {$gt: 4}}

1. How many records are returned for question 19?

1952