



ECS 116

Databases for Non-Majors

Discussion 9
(6/6/24) | Spring '24



Today's Agenda

1. Quick Updates
2. Using MongoDB to query the company data set (including comments)
3. Converting SQL queries to NoSQL queries and vice versa
4. Primitive text search in MongoDB and analysis

Quick Updates



Programming Assignment 3

- Due on the 6/9/24 Sunday
- You can find the files in
Files->PROG-ASSMT-3

Finals

- The final exam is on 06/12/24 Wednesday

Files



Today's Files:

1. Download the folder: *Files->Jupyter Notebooks->DISC_9_FILES*
2. We will be using the main notebook: *DISC-9-MAIN-v01.ipynb*
3. *You can also find the corresponding sql script as: DISC-9-SQL-SCRIPT*

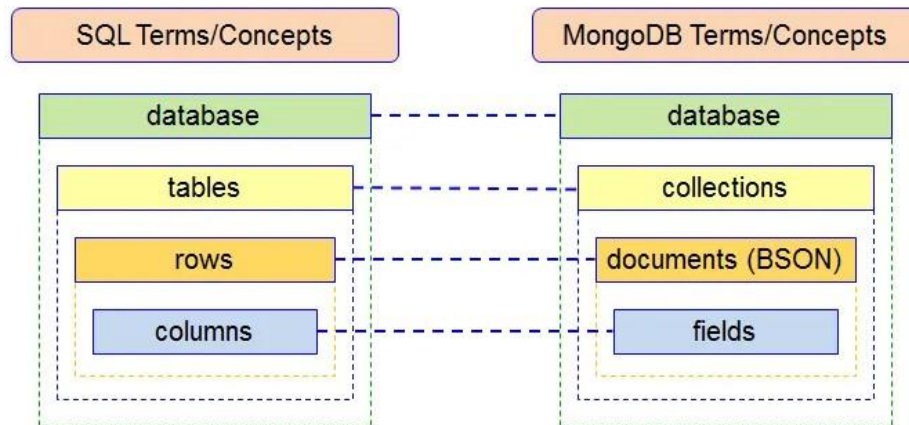
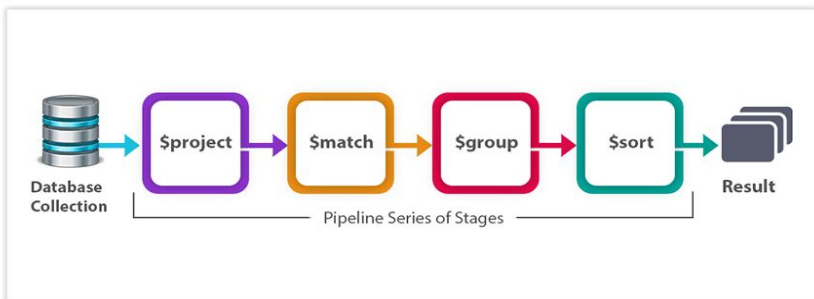
Tech Used:

1. Jupyter Notebook
2. Pymongo
3. PSQL
4. DBeaver
5. MongoDB

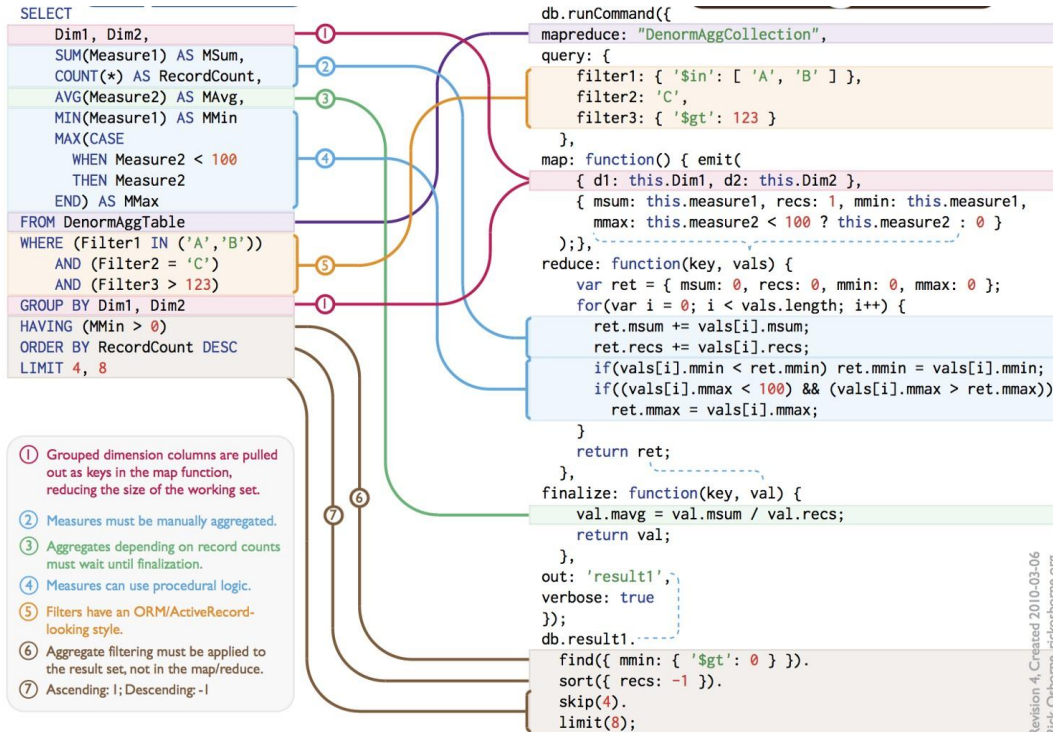
MongoDB and SQL correlation



What is the Aggregation Pipeline in MongoDB?

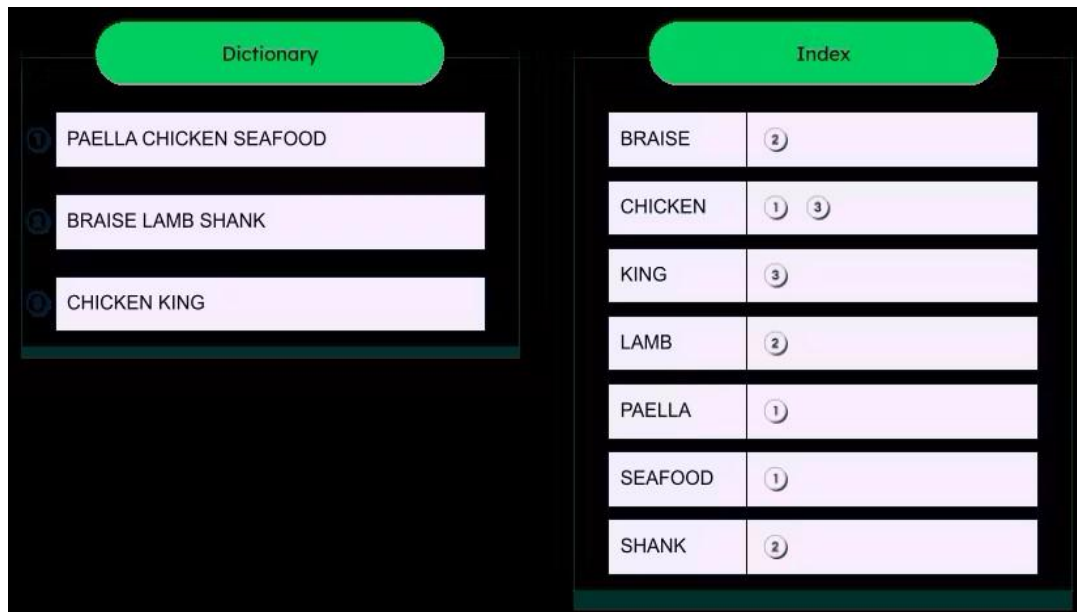


MongoDB to SQL and vice versa



Text Search in MongoDB

- To perform text search, MongoDB uses a text index and the **\$text** operator.
- **\$search** aggregation pipeline stage performs a full-text search of the field or fields



What did we learn today?



1. Running aggregate queries
2. MongoDB to queries to SQL and vice versa
3. Text Search in MongoDB and analysis

Thank You!



All the best for your finals!