

Start MongoDB

Super, Crazy-Fun, Activity

Introduction to Database Systems: CS312 Class Activity

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Getting started with MongoDB

Start MongoDB

Super, Crazy-Fun, Activity Setup a data directory (if you have not already done so)

mkdir ~/mongodbData

Start the Mongo server with data directory as a parameter Note: Control-C to exit.

mongod --dbpath ~/mongodbData/

With new another terminal, start the Mongo client mongo

Find databases or collections, from Mongo's client

show dbs

Begin a new database, from Mongo's client

use myDB



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Instructions

- You are to work in groups to answer the below questions using class notes and slides. The data set originates from the sandbox file syntheticData_small.json and is to be inserted into MongoDB for your queries.
- Located in your participation directory is a file in which you are to save your queries: act_01/src/act1Code.txt.

Repository

Your activity repository is the following:

https://classroom.github.com/a/qf2wt4sy

Note: You must submit this work before the end of class today to get participation credit.



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Data file: syntheticData_small.json

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Query Questions for MongoDB Programming

- Show all records from employee database
- ② Show only the document for the *company*, "RADIANTIX"
- Give all company details from each document in employee database
- Show the friends information of the above company
- **1** Show the *friends* of the *company* and its *address*
- Show age, first.name, last.name and result of isActive for the contact at "RADIANTIX"
- Edit your query: show the tags and also choose another attribute to add to the above query



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Start MongoDB

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Your Turn!

- Pick other attributes to use as for queries and conditional
- Can you find another general "attribute" such as "company" (from above) to write other interesting queries for its associated data?





Consider this...

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THINK

- Can you create and populate a completely new MongoDB database?
- Can you write sophisticated queries in your database to isolate meaningful information from the data?