# Lab8 Mongo part 1 query questions

DBS311 Lab 8

***Upload screenshots of successful run with outputs in a single document in blackboard within the deadline. Absolutely no email submission will be accepted. Capture screenshots of your code as well. Make sure the timestamp is visible in your screenshots.***

# *Due by Saturday, July 31st by 11:30pm, Late penalty is 100%.*

Create inventory database and upload the products data from products.json file.

Answer the following in command line and take screenshots.

## Getting Started

In this lab, you will use products.json dataset. Download products.json from Blackboard and store it in a folder named dataset.

Open your Windows command prompt and go the following directory where MongoDB is installed:

* cd C:\Program Files\MongoDB\Server\4.2\**bin**

To run MongoDB, execute ***mongod***

* mongod

When MongoDB starts successfully, open another Windows command prompt and go the same *bin* directory:

* cd C:\Program Files\MongoDB\Server\4.2\**bin**

and execute ***mongo***

* mongo

Or you execute a batch file to start up MongoDB.

You will import products.json to the *inventory* database. To import data, go to the *bin* directory:

* cd C:\Program Files\MongoDB\Server\4.2\**bin**

Execute the following command:

* mongoimport --db inventory --collection products --file ..\dataset\products.json

To import the *json* file, provide the full path to the products.json. After executing the command, the data is imported to the *inventory* database. To make sure data is imported successfully, go to the MongoDB shell and execute the following command to see the imported documents:

* show dbs

You should see the database inventory added to the list of your databases. To see the documents inside the database:

* use inventory
* db.products.find().forEach(printjson)

or

* db.products.find().pretty()

Extra questions

1. Write a query to return *name* and *price* of each product in the *inventory* database.

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1. Write a query to return *name* and *price* for products of type “Health Care” in the *inventory* database.

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1. Write a query to return *name* and *price* for products with price between $12 and $20 (Values *12* and *20* are included).

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1. Write a query to return *id*, *name*, *price*, and *type* for products that are not of type “Health Care”.

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1. Write a query to return *id*, *name*, *price*, and type for products with type “Health Care” or “Consumer Services.”

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1. Write a query to return *id*, *name*, *price*, and *type* for products that do have the *type* key.

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1. Write a query to return *id*, *name*, *price*, and *type* for products that their type is both Health Care and Consumer Services.

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