# Lab 8 – Due by Thursday, April 04th by 4pm

# *In-Lab submission only, unless you have a permission from me to submit by e-mail. Your Word or TXT Document must have both the CODE content and the OUTPUT. You may also submit your Lab Printout to our Reception Office, Room A3058 by due date.*

# (MongoDB – Query) Find documents

## Objective

In this Lab, you learn to query a database in MongoDB by using **find** command.

## Getting Started

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

* cd C:\Program Files\MongoDB\Server\5.0\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\5.0\bin\

and execute ***mongo (****this session you will use to find your Documents)*

* mongo

In this lab, you will use **products.json** dataset. Download products.json from Blackboard and then IMPORT it, like it has been explained in our Mongo\_Practice2.(you will need to open a Third command prompt session). You will create a new database called **inventory** and then place a new collection **products** there. 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()

## Submission

You submit this file with answers (in the provided space). Also, include the **outputs** with your code. Name the file L08\_LASTNAME.docx”, unless you show the whole Lab in our Class.

## Tasks

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

Do not exclude the “\_id” key.

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1. Write a query to return just fields *name* and *price* for products of type *accessory* in the *inventory* database.

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1. Write a query to return just *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 *accessory*.

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1. Write a query to return \_*id*, *name*, *price*, and type for products with type *accessory* or *service*.

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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 *accessory* and *case*.

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