

## **Homework # 6**

- Assigned on Wednesday, April 8
- Due on Sunday, April 19, 11:59 p.m.
- Objective: gives students exposure and hands-on practice using MongoDB (a NoSQL database designed for handling Big Data.)

## **Homework # 6 Overview**

### **Steps:**

1. Review some of the tutorial links to get familiar with the MongoDB world
2. Download and install the MongoDB software, community edition
3. Execute “Section 1” of the assignment
  - Create a database, Drop a database
  - Create a collection, Drop a collection
  - Insert a document, Query a document
  - Update a document, Delete a document

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### **Steps:**

4. Execute Section 2 of the assignment
  - Download the sample JSON dataset “primer-data.json” from Moodle
  - Import the dataset into Mongo
    - NOTE: This is done at the OS command line level, NOT from within the Mongo command line interface
  - Name your collection “restaurants”
  - Write and run MongoDB queries to answer seven problem questions

## **Homework # 6 Tips:**

It is OK if you work with a partner. Be sure to EACH submit your own results, and include your partner's name in your submission.

Capture screen shots to show evidence of having completed Section 1 described above. Number each screen shot with the number of the assigned operation/task (1 – 8). Assemble (Copy & Paste) all screen shots into a document.

## **Homework # 6 Tips:**

For Section 2, screenshot or copy/paste text showing your MongoDB command and output for each question.

Some questions might produce a lot of output. It is OK if you copy/paste just the first 20 or so lines of output into your final submission document.

Save your document as a PDF and upload to Moodle.

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### **Advice:**

- Start today:  
download and install the software  
run some mongo queries
- Do NOT Wait until end-of-next-week to start
- Do NOT expect to get much help (from instructor, graders, CAs) over the weekends