Mongo PE03 - Using MongoDB

**Name: \_\_\_\_Tuheena Singh\_\_\_\_\_**

In this practice exercise you will practice using MongoDB. You will do the following:

* Retrieve data from the database
* Insert and update data in the database

Make sure that your SampleSocial database is loaded onto the lab machine and includes the collections Tweets and Blog.

**1. Run these queries below by including them in ONE Javascript (.js) file called yourLastName.js . The .js file must be executable as shown in class. Include the connection to the server, database and collection. Use the collection wrapper object to run your queries. Paste the results of the queries into this MS Word document. Submit the .js file and the Word file to the Assignment folder.**

1. Insert a Tweet that has the following fields (there is no cursor with insert()):
   1. id: 20200916
   2. fromUser: *put your name*
   3. text: “This is a test of insert”
   4. cnt: 1

Show the result of the insert().

1. Find the above record using the id field and show the json document.
2. Update the inserted row to have the following change made; change ONLY (hint) the text field:
   1. text: “This is the updated text”
3. Find the above record using the id field (copy and rewrite #2) and show that the above record is changed correctly. Show only the id and text fields.
4. Use the update command to increment the count by 1
5. Rerun query #2 (paste it in the .js file again).
6. Find all the Tweets that have an id between 129745 and 129756, inclusive. Show only the text as a separate field (not part of a json document).
7. Delete the document that you inserted above and show the result.

>

> load("C:/Mongo/script/insert.js")

{ "nInserted" : 1 }

The number inserted is: 1

The json objects found

{

"\_id" : ObjectId("605aa0332191947734832385"),

"id" : 20200916,

"text" : "This is a test of insert",

"fromUser" : "Tuheena",

"cnt" : 1

}

The number updated

{ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 }

The json values found

20200916

This is the updated text

The number updated

{ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 }

The json values found - count incremented by 1

20200916

This is the updated text

{ "fromUser" : "kirstyisabella", "text" : "Is sandy finished?" }

{

"fromUser" : "uccwxspotter",

"text" : "Great advice!! RT @SamWalkerOBX: WAVY-TVs Andy Fox everyone!!! Remember to air down!!! #obx #sandy #ncwx @VARTV http://t.co/zTmyBaEA"

}

{ "fromUser" : "Jonavin\_Only1", "text" : "Fuck #sandy She a bitch" }

{

"fromUser" : "Leonel\_Fernando",

"text" : "@MayCTorres así€Œ\_ fue la fuerza destructora del hurací€Œçn Sandy #fb http://t.co/Kq2MceM1"

}

{

"fromUser" : "CheyenneOechsle",

"text" : "This hurrican sandy stuff makes it look realllyyy dark out tonight."

}

{

"fromUser" : "dinambar",

"text" : "Driving crosstown on 39th; the city is dark to my left and bright to my right. Eerie. #Sandy"

}

{

"fromUser" : "anaeldesouza",

"text" : "@De\_bbye aqui tudo normal e com íÁÅŸäó»ŒçíÁÅŸäó»ŒçíÁÅŸäó»ŒçíÁÅŸäó»ŒçíÁÅŸÅçŒËíÁÅŸäóÖŒçacho que so @Wellinton4 Ta na base de gerador!\\n\\n#BlameSandy #Sandy #Danbury"

}

{

"fromUser" : "AgiusMellieha",

"text" : "@melcannon\_ cheers melanie haha so sandy noticed the hurricane?"

}

true

> db.Tweets.remove({id:20200916})

WriteResult({ "nRemoved" : 1 })

>

>

>

>

> load("C:/Mongo/script/insert.js")

{ "nInserted" : 1 }

The number inserted is: 1

The json objects found

{

"\_id" : ObjectId("605aa05f2191947734832386"),

"id" : 20200916,

"text" : "This is a test of insert",

"fromUser" : "Tuheena",

"cnt" : 1

}

The number updated

{ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 }

The json values found

20200916

This is the updated text

The number updated

{ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 }

The json values found - count incremented by 1

20200916

This is the updated text

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}

{

"fromUser" : "AgiusMellieha",

"text" : "@melcannon\_ cheers melanie haha so sandy noticed the hurricane?"

}

The number removed

{ "nRemoved" : 1 }

true

>