Victor Udeh  
Snhu [CS-340-11168-M01 Client/Server Development](https://learn.snhu.edu/d2l/home/1610135)  
May 19th, 2024  
Week 2  
  
  
**Attached Screenshots below:**

1. Imported the Dataset:

- Command executed:

cd /usr/local/datasets/

mongoimport --username="${MONGO\_USER}" --password="${MONGO\_PASS}" --port=${MONGO\_PORT} --host=${MONGO\_HOST} --db city --collection inspections --authenticationDatabase admin --drop ./city\_inspections.json

- Result: Successfully imported 81,047 documents.

2. Verified the Data Load:

- Command executed:

use city

db.inspections.find({"id": "10021-2015-ENFO"})

db.inspections.find({"result": "Out of Business"}, {"business\_name": 1}).limit(10)

- Result: Verified data by querying for specific documents and business names.

3. Inserted a New Document:

- Command executed:

db.inspections.insertOne({

id: "20032-2020-ACME",

certificate\_number: 9998888,

business\_name: "ACME Explosives",

date: new Date(),

result: "Business Padlocked",

sector: "Explosive Retail Dealer-999",

address: {

number: 1721,

street: "Boom Road",

city: "BRONX",

zip: 10463

}

})

- Result: Successfully inserted the document and verified it.

4. Generated a Distinct List of Inspection Sectors:

- Command executed:

db.inspections.distinct("sector").length

- Result: Found 87 distinct inspection sectors.

5. Compared Date Data Types:

- Command executed:

db.inspections.findOne({"business\_name": "AUSTIN 2012"}, {date: 1})

db.inspections.findOne({"id": "20032-2020-ACME"}, {date: 1})

- Result: The date for "AUSTIN 2012" was a string ("Jan 22 2016"), while the date for "ACME Explosives" was in ISODate format ("2024-05-19T21:56:14.606Z").

6. Counted Businesses with "Violation Issued":

- Command executed:

db.inspections.find({"result": "Violation Issued"}).count()

- Result: There were 13,823 businesses with a "Violation Issued."

7. Updated the Document to "New ACME Flowers":

- Command executed:

db.inspections.updateOne(

{"id": "20032-2020-ACME"},

{$set: {

business\_name: "New ACME Flowers",

result: "Business Re-opened",

comments: "Flowers after the explosion"

}}

)

- Result: Successfully updated the document and verified the update.

8. Updated Zip Codes for "ROSEDALE":

- Command executed:

db.inspections.updateMany(

{"address.city": "ROSEDALE"},

{$set: {"address.zip": 76114}}

)

- Result: Updated 115 documents with the new zip code 76114.

9. Removed the First Document with "Violation Issued":

- Command executed:

db.inspections.deleteOne({"result": "Violation Issued"})

- Result: Successfully deleted the first document with "Violation Issued."  
  
  
A screenshot of a computer program

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generatedA screenshot of a computer

Description automatically generated