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CS-340

Professor Wilson

11/8/2024

2-1 Assignment: CRUD in MongoDB

1. Access the dataset for this assignment, city\_inspections.json, in the /usr/local/datasets directory in your Apporto environment. Using the mongoimport tool and documents found in the city\_inspections.json file, load the database “city” into the “inspections” collection.
2. Verify your load by “using” the “city” database, and issuing the following queries in the mongo shell:

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

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

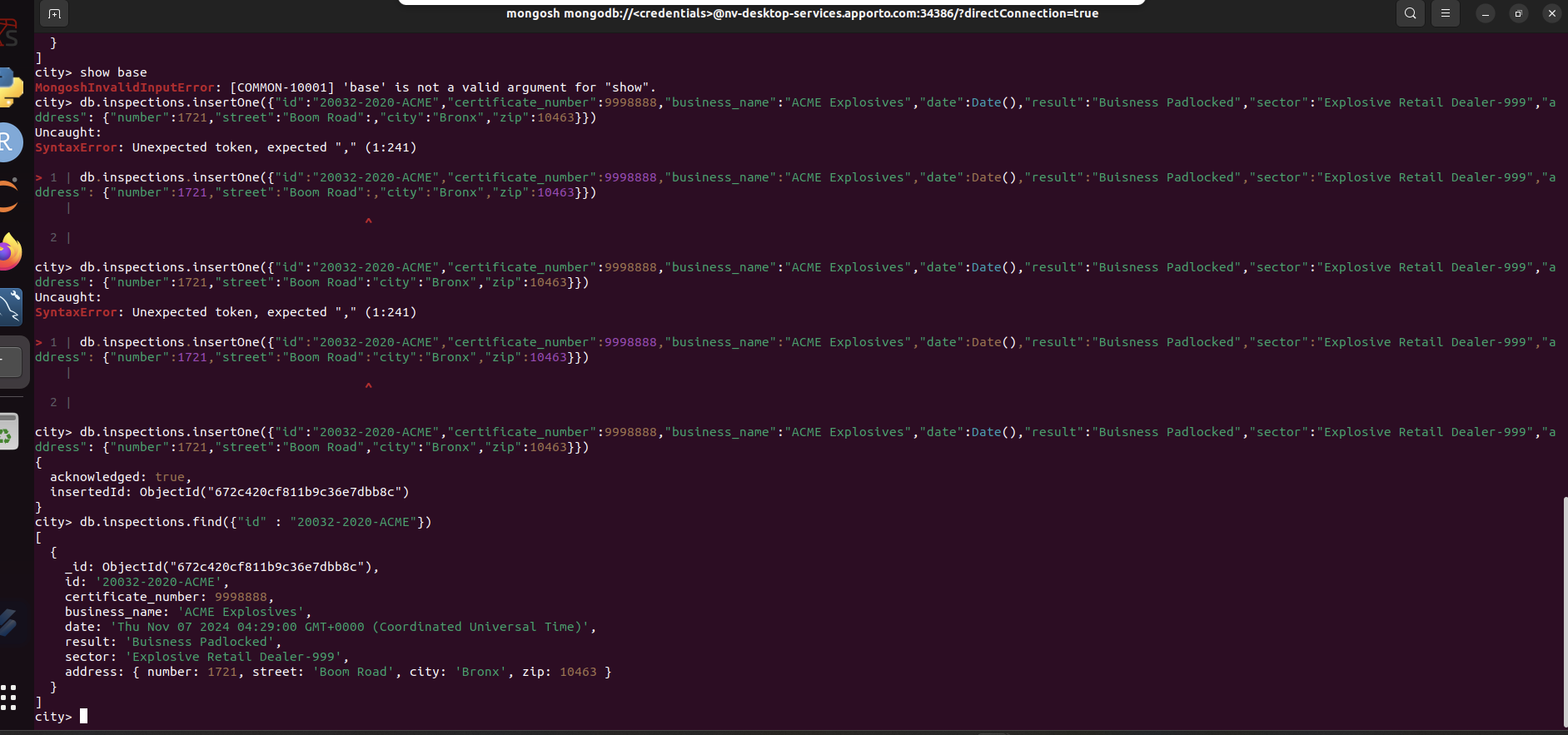
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1. Using the appropriate commands in the mongo shell, insert a document to the database named “city” within the collection named “inspections.” Use the following key-value pairs as data for your document. Be sure to insert the address as a subdocument and use the JavaScript function Date() for “Today’s date.” Verify your database creation and insertion using the findOne() function in the mongo shell. Provide a screenshot as evidence.



1. Answer the following questions using MongoDB queries.

What is the distinct list of inspection “sector” in the current inspections collection? How many are in the list? Do not count by hand. What is the difference in the date data type for the business named “AUSTIN 2012” versus your business document insertion of “Acme Explosives”? How many businesses have a “Violation Issued”? (See Value column above.)

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4c. How many businesses have a “Violation Issued”? (See Value column above.)

1. Using the appropriate command in the mongo shell, update the document with the ID “20032-2020-ACME” in the collection “inspections” in the database “city” with the information below.

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1. Using the database “city” with documents found in the “inspections” collection, perform the tasks listed below. Verify by providing screenshots of the results as evidence. Update all the documents that contain the key-value pair "city":"ROSEDALE" in the address subdocument by changing the zip code in the address subdocument to "76114". Remove the first document with the key-value pair "result":"Violation Issued."

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