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SNHU/CS-340

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CS 340 Module One Assignment

1. Begin by logging into the Virtual Lab (Apporto) and accessing the terminal application. Use the [Mongo in Apporto (Virtual Lab) Tutorial PDF](https://learn.snhu.edu/content/enforced/1374834-CS-340-R1891-OL-TRAD-UG.23EW1/course_documents/CS%20340%20Mongo%20in%20Apporto%20(Virtual%20Lab)%20Tutorial.pdf?_&d2lSessionVal=ScQoRYLN9OTGv4T9RbCyYwie6&ou=1332057&_&d2lSessionVal=7E0I1qpTO6znGHh04HW4l8I7J&ou=1374834) to help with this task.
2. First, you must **verify access to the environment** by starting up MongoDB and the mongo shell. Open the terminal application, which will bring up the Linux shell prompt. Complete the following:
   * **Execute the mongo command to start the mongo shell**. This will bring up the mongo shell prompt.
   * A screenshot of a computer program

     Description automatically generatedTake a **screenshot** of the whole terminal window to verify your presence in the mongo shell. **All of your screenshots *must* include your username, which is at the top of your terminal window.**
3. You have been given a preloaded database containing email documents. Exit MongoDB and return to the Linux prompt. Using the database provided, execute the following administrative commands:

* **Load the database by executing the following at the Linux command line in the terminal you opened:**
* cd /usr/local/datasets
* mongoimport --username="${MONGO\_USER}" \
* --password="${MONGO\_PASS}" --port=${MONGO\_PORT} \
* --host=${MONGO\_HOST} --db enron --collection emails \

--authenticationDatabase admin --drop ./enron.json

A computer screen shot of a computer program

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**Retrieve a document from the collection** by executing the following commands in the mongo shell. Take a screenshot to verify your execution of these commands.

show dbs #lists directory of databases

use enron #this sets db to the enron database

show collections #lists directory of collections

db.emails.findOne() #retrieves a document from the emails collection

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* **Execute the command to find the size of a single document** of your choosing from the enron database. Refer to [Two Ways to Get a Document's Size in MongoDB](https://database.guide/2-ways-to-get-a-documents-size-in-mongodb/) or the textbook if you need help constructing this command. Take a screenshot to verify your execution of this command.

snippet install mongocompat

Answer yes to the two questions the shell asks, and you should be all set.

* **Execute the command to find the size of the collection of documents** in the enron database. Refer back to the Two Ways to Get a Document’s Size in MongoDB article if you need help constructing this command. Take a screenshot to verify your execution of this command.

A screenshot of a computer program

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