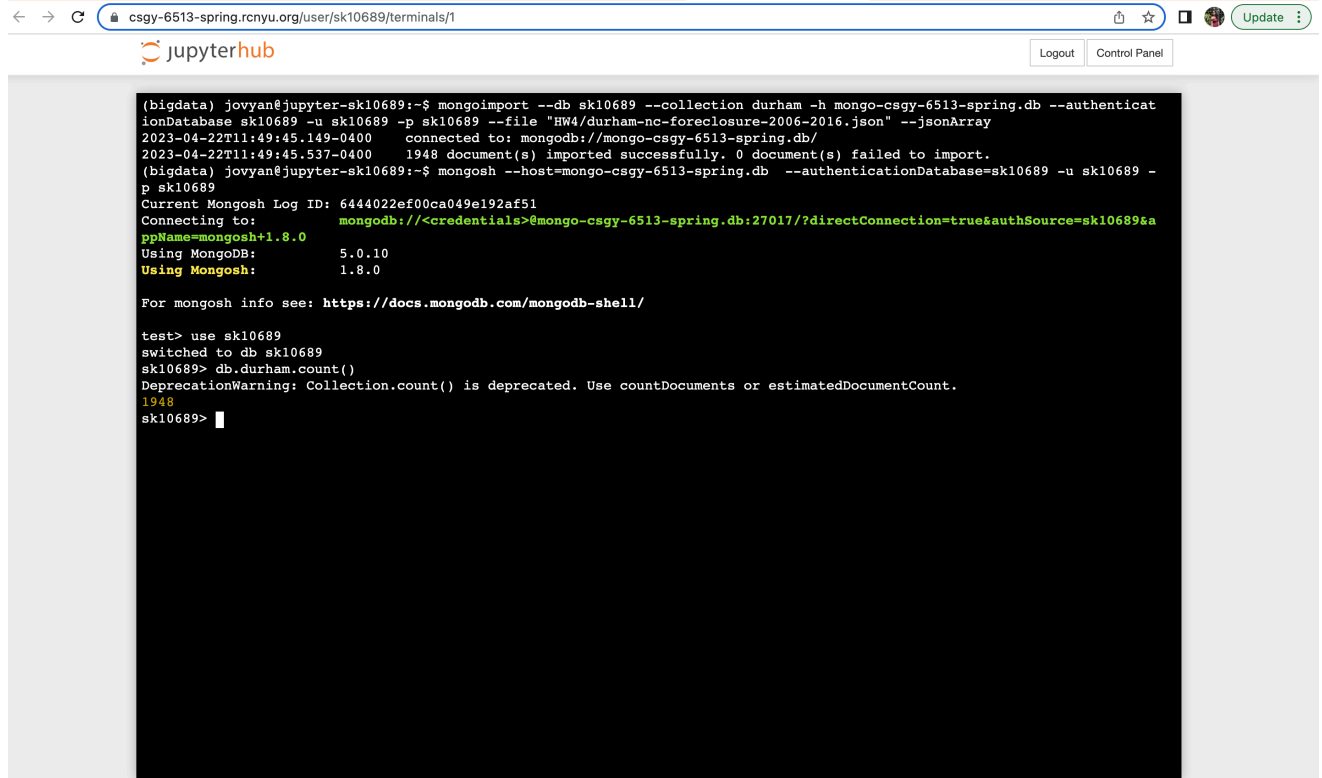


HW4

Q0: Load all datasets into MongoDB. Prove it. – 25 points

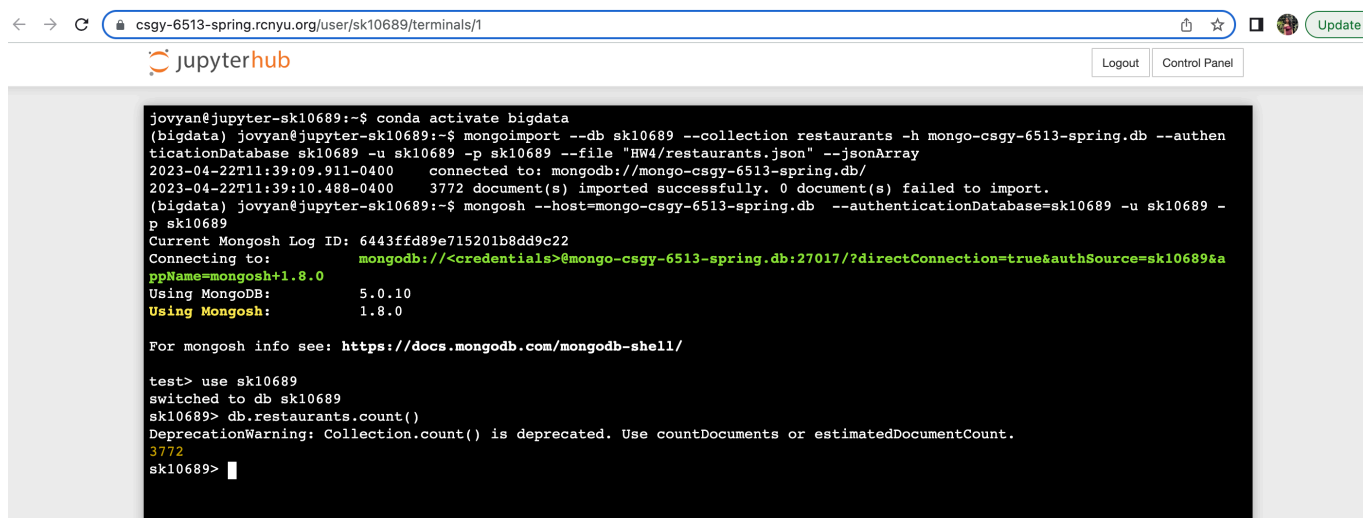


The screenshot shows a Jupyter Notebook interface with a terminal window. The terminal output shows the following commands and results:

```
(bigdata) jovyan@jupyter-sk10689:~$ mongoimport --db sk10689 --collection durham -h mongo-csgy-6513-spring.db --authenticationDatabase sk10689 -u sk10689 -p sk10689 --file "HW4/durham-nc-foreclosure-2006-2016.json" --jsonArray
2023-04-22T11:49:45.149-0400   connected to: mongodb://mongo-csgy-6513-spring.db/
2023-04-22T11:49:45.537-0400   1948 document(s) imported successfully. 0 document(s) failed to import.
(bigdata) jovyan@jupyter-sk10689:~$ mongosh --host=mongo-csgy-6513-spring.db --authenticationDatabase=sk10689 -u sk10689 -p sk10689
Current Mongosh Log ID: 6444022ef00ca049e192af51
Connecting to:      mongodb://<credentials>@mongo-csgy-6513-spring.db:27017/?directConnection=true&authSource=sk10689&appName=mongosh+1.8.0
Using MongoDB:      5.0.10
Using Mongosh:       1.8.0

For mongosh info see: https://docs.mongodb.com/mongosh-shell/

test> use sk10689
switched to db sk10689
sk10689> db.durham.count()
DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.
1948
sk10689>
```



The screenshot shows a Jupyter Notebook interface with a terminal window. The terminal output shows the following commands and results:

```
jovyan@jupyter-sk10689:~$ conda activate bigdata
(bigdata) jovyan@jupyter-sk10689:~$ mongoimport --db sk10689 --collection restaurants -h mongo-csgy-6513-spring.db --authenticationDatabase sk10689 -u sk10689 -p sk10689 --file "HW4/restaurants.json" --jsonArray
2023-04-22T11:39:09.911-0400   connected to: mongodb://mongo-csgy-6513-spring.db/
2023-04-22T11:39:10.488-0400   3772 document(s) imported successfully. 0 document(s) failed to import.
(bigdata) jovyan@jupyter-sk10689:~$ mongosh --host=mongo-csgy-6513-spring.db --authenticationDatabase=sk10689 -u sk10689 -p sk10689
Current Mongosh Log ID: 6443fffd89e715201b8dd9c22
Connecting to:      mongodb://<credentials>@mongo-csgy-6513-spring.db:27017/?directConnection=true&authSource=sk10689&appName=mongosh+1.8.0
Using MongoDB:      5.0.10
Using Mongosh:       1.8.0

For mongosh info see: https://docs.mongodb.com/mongosh-shell/

test> use sk10689
switched to db sk10689
sk10689> db.restaurants.count()
DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.
3772
sk10689>
```

← → ↻ csgy-6513-spring.rcnyu.org/user/sk10689/terminals/1

jupyterhub

Logout Control Panel

(bigdata) jovyan@jupyter-sk10689:~\$ mongoimport --db sk10689 --collection meteorites -h mongo-csgy-6513-spring.db --authenticationDatabase sk10689 -u sk10689 -p sk10689 --file "HW4/meteorites.json"

2023-04-22T11:44:50.285-0400 connected to: mongodb://mongo-csgy-6513-spring.db/

2023-04-22T11:44:50.474-0400 1000 document(s) imported successfully. 0 document(s) failed to import.

(bigdata) jovyan@jupyter-sk10689:~\$ mongosh --host=mongo-csgy-6513-spring.db --authenticationDatabase=sk10689 -u sk10689 -p sk10689

Current Mongosh Log ID: 64440105b1cb8911dd8a8c18

Connecting to: mongodb://<credentials>@mongo-csgy-6513-spring.db:27017/?directConnection=true&authSource=sk10689&appName=mongosh+1.8.0

Using MongoDB: 5.0.10

Using Mongosh: 1.8.0

For mongosh info see: <https://docs.mongodb.com/mongosh-shell/>

test> use sk10689

switched to db sk10689

sk10689> db.meteorites.count()

DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.

1000

sk10689>

← → ↻ csgy-6513-spring.rcnyu.org/user/sk10689/terminals/1

jupyterhub

Logout Control Panel

(bigdata) jovyan@jupyter-sk10689:~\$ mongoimport --db sk10689 --collection worldcities -h mongo-csgy-6513-spring.db --authenticationDatabase sk10689 -u sk10689 -p sk10689 --file "HW4/worldcities.csv" --headerline --type csv

2023-04-22T11:52:19.358-0400 connected to: mongodb://mongo-csgy-6513-spring.db/

2023-04-22T11:52:20.090-0400 12893 document(s) imported successfully. 0 document(s) failed to import.

(bigdata) jovyan@jupyter-sk10689:~\$ mongosh --host=mongo-csgy-6513-spring.db --authenticationDatabase=sk10689 -u sk10689 -p sk10689

Current Mongosh Log ID: 644402c221c2a3cbb1d1dccc

Connecting to: mongodb://<credentials>@mongo-csgy-6513-spring.db:27017/?directConnection=true&authSource=sk10689&appName=mongosh+1.8.0

Using MongoDB: 5.0.10

Using Mongosh: 1.8.0

For mongosh info see: <https://docs.mongodb.com/mongosh-shell/>

test> use sk10689

switched to db sk10689

sk10689> db.worldcities.count()

DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.

12893

sk10689>

```
(bigdata) jovyan@jupyter-sk10689:~$ tr ";" "\t" < HW4/Restaurants_in_Durham_County_NC.csv > HW4/Restaurants_in_Durham_County_NC.tsv
(bigdata) jovyan@jupyter-sk10689:~$ mongoimport --db sk10689 --collection restaurants_durham -h mongo-csgy-6513-spring.db --authenticationDatabase sk10689 -u sk10689 -p sk10689 --file HW4/Restaurants_in_Durham_County_NC.tsv --headerline --type ts
v
2023-04-22T11:55:51.351-0400    connected to: mongodb://mongo-csgy-6513-spring.db/
2023-04-22T11:55:51.645-0400    2472 document(s) imported successfully. 0 document(s) failed to import.
(bigdata) jovyan@jupyter-sk10689:~$ mongosh --host=mongo-csgy-6513-spring.db --authenticationDatabase=sk10689 -u sk10689 -p sk10689
Current Mongosh Log ID: 64440398e9bd2fd685882a31
Connecting to:      mongodb://<credentials>@mongo-csgy-6513-spring.db:27017/?directConnection=true&authSource=sk10689&appName=mongosh+1.8.0
Using MongoDB:      5.0.10
Using Mongosh:       1.8.0

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

test> use sk10689
switched to db sk10689
sk10689> db.restaurants_durham.count()
DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.
2472
sk10689> show collections
durham
meteorites
restaurants
restaurants_durham
worldcities
sk10689> █
```