Assignment4

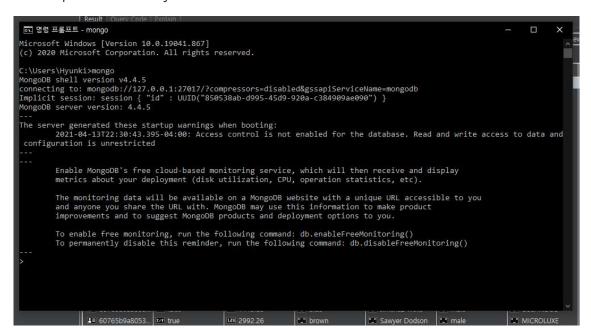
CSC 4710 Database System

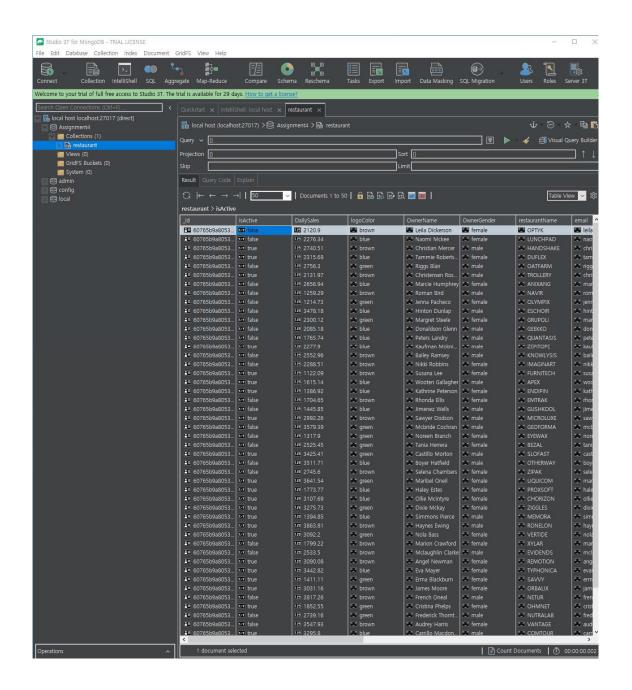
Hyunki Lee

Panther#: 002-34-4677

Part1

I am using Window. Thus, I took a picture that I operate mongo in the CMD. Also, I added a picture that I imported restaurant.json in the Studio 3T.





Part2

1.

8762

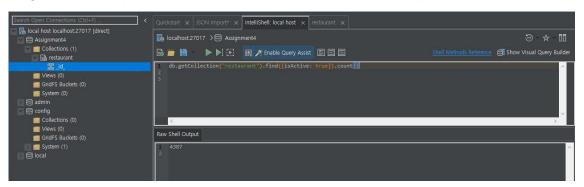
db.getCollection("restaurant").find({}).count()



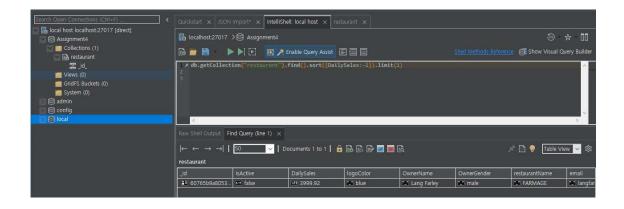
2.

4387

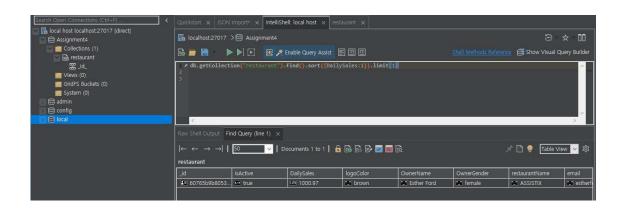
db.getCollection("restaurant").find({isActive: true}).count()



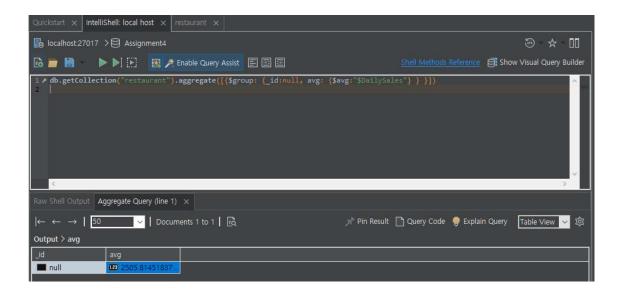
3.
db.getCollection("restaurant").find().sort({DailySales:-1}).limit(1)



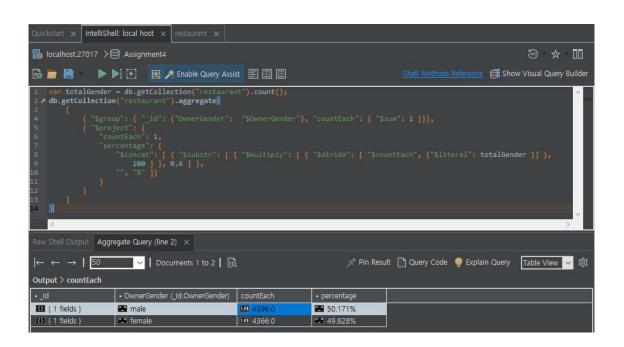
4.
db.getCollection("restaurant").find().sort({DailySales:1}).limit(1)



db.getCollection("restaurant").aggregate([{\$group:{_id:null,avg:{\$avg:"\$DailySales}}}])



```
6.
```



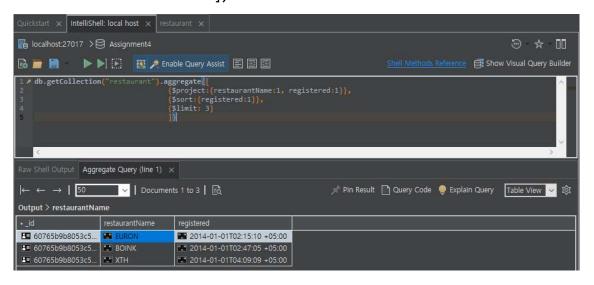
```
7.
```

2847

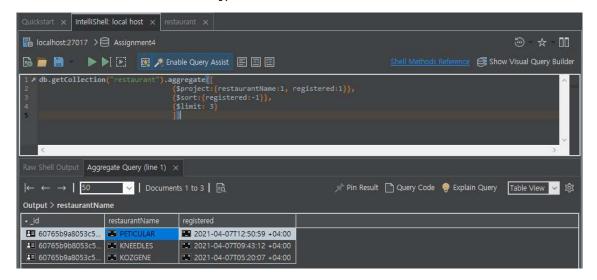
db.getCollection("restaurant").find({logoColor: "green"}).count()

8.

EURON



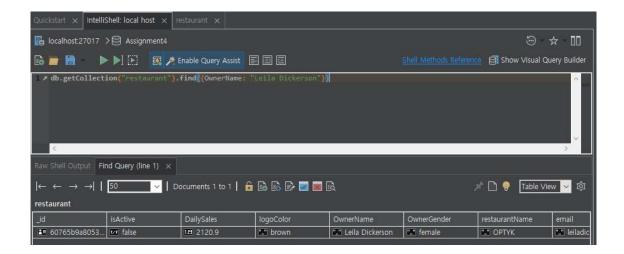
PETICULAR



10.

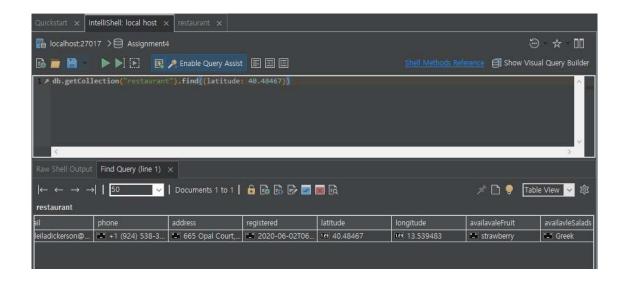
Yes

db.getCollection("restaurant").find({OwnerName: "Leila Dickerson"})



Yes. Only one restaurant

db.getCollection("restaurant").find({latitude: 40.48467})

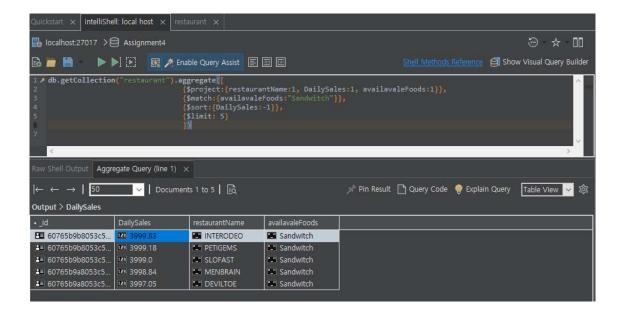


12.

1737

db.getCollection("restaurant").find({availavleSalads: "Greek"}).count()

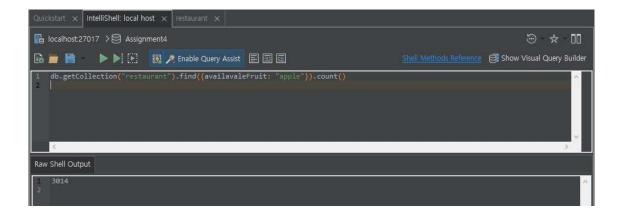




14.

3014

db.getCollection("restaurant").find({availavaleFruit: "apple"}).count()



Yes, there are 9 restaurants that are named "OPTYK"

db.getCollection("restaurant").find({restaurantName: "OPTYK"}).count()

