

Question1

```
inf551-remote — ec2-user@ip-172-31-36-179:~ — ssh -i inf551.pem ec2-user@ec2-3...
> db.restaurants.find({$and:[{borough:"Brooklyn"},{name:{$ne:""}}]},
{name:1, _id:0}).sort({name:-1})
{ "name" : "Zuzu Ramen" }
{ "name" : "Zona Rosa" }
{ "name" : "Zombie Hut" }
{ "name" : "Zocalo" }
{ "name" : "Zizi Limona" }
{ "name" : "Zito'S Sandwich Shoppe" }
{ "name" : "Zito'S" }
{ "name" : "Zislick" }
{ "name" : "Zio Nino Pizza & Restaurant" }
{ "name" : "Ziemek'S Cafe Llc" }
{ "name" : "Zhang'S Garden" }
{ "name" : "Zhang'S Fortune Restaurant" }
{ "name" : "Zenkichi" }
{ "name" : "Zeng'S Restaurant" }
{ "name" : "Zen Vegetarian House" }
{ "name" : "Zeke'S" }
{ "name" : "Zeff'S Pizzeria" }
{ "name" : "Zefes Mexican Restaurant" }
{ "name" : "Zee Bagels" }
{ "name" : "Zaytoons Restaurant" }
Type "it" for more
```

Question2

```
> db.restaurants.find({borough:"Brooklyn",cuisine:{$ne:"American"},
grades.0.grade:{$eq:"A"}}).count()
3856
```

Question3

```
[> db.restaurants.distinct("cuisine",{borough:"Brooklyn"})
[
  "Hamburgers",
  "American",
  "Delicatessen",
  "Ice Cream, Gelato, Yogurt, Ices",
  "Chinese",
  "Jewish/Kosher",
  "Caribbean",
  "Donuts",
  "Italian",
  "Steak",
```

Question4

```
[> db.restaurants.find({borough:"Brooklyn",name:/BBQ/i}).count()  
13]
```

Question5

```
[> db.restaurants.aggregate({$match:{borough:"Brooklyn"}}, {$group:{_id:"$cuisine", total:{$sum:1}}},{$match:{total:{$gt:100}}})  
{ "_id" : "Other", "total" : 272 }  
{ "_id" : "American", "total" : 1273 }  
{ "_id" : "Caribbean", "total" : 314 }  
{ "_id" : "Pizza/Italian", "total" : 136 }  
{ "_id" : "Pizza", "total" : 296 }  
{ "_id" : "Bakery", "total" : 173 }  
{ "_id" : "Italian", "total" : 192 }  
{ "_id" : "Hamburgers", "total" : 102 }  
{ "_id" : "Chinese", "total" : 763 }  
{ "_id" : "Café/Coffee/Tea", "total" : 289 }  
{ "_id" : "Jewish/Kosher", "total" : 167 }  
{ "_id" : "Donuts", "total" : 109 }  
{ "_id" : "Latin (Cuban, Dominican, Puerto Rican, South & Central American)", "total" : 152 }  
{ "_id" : "Spanish", "total" : 138 }  
{ "_id" : "Japanese", "total" : 153 }  
{ "_id" : "Mexican", "total" : 212 }  
{ "_id" : "Chicken", "total" : 120 }
```