Assignment 3

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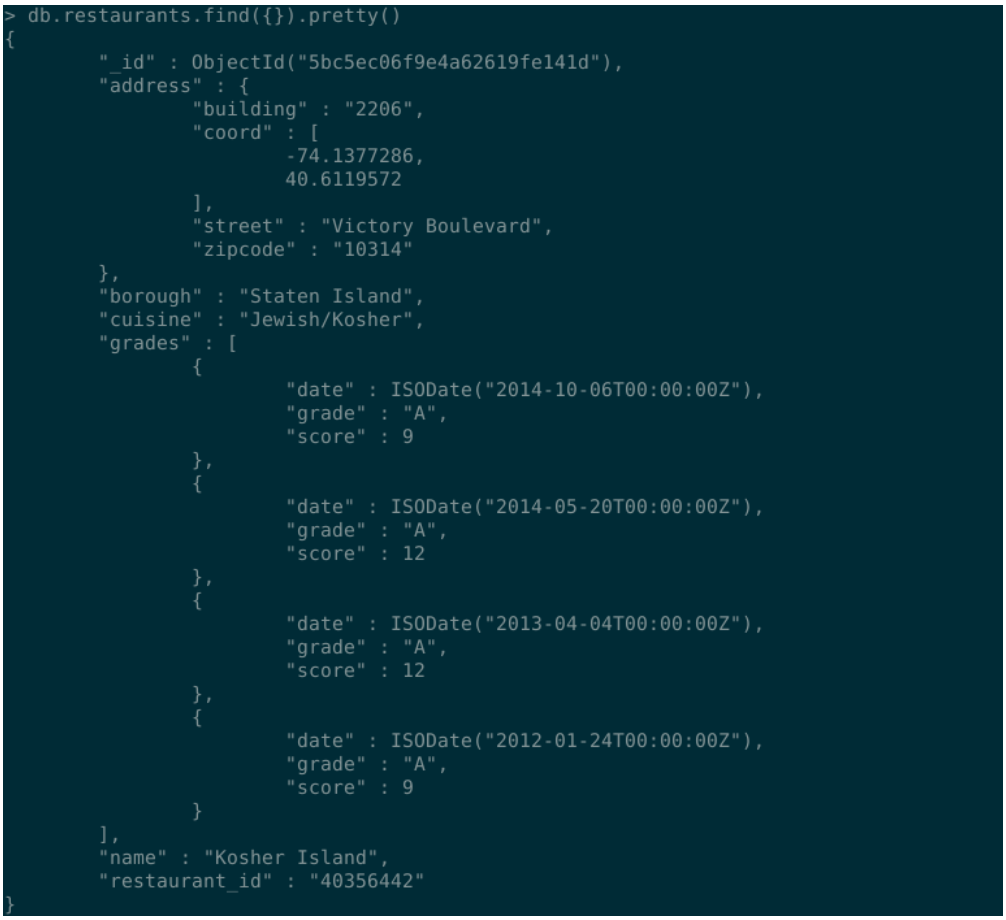
Q1

Write a MongoDB query to display all the documents in the collection, restaurants.

db.restaurants.find({}).pretty()

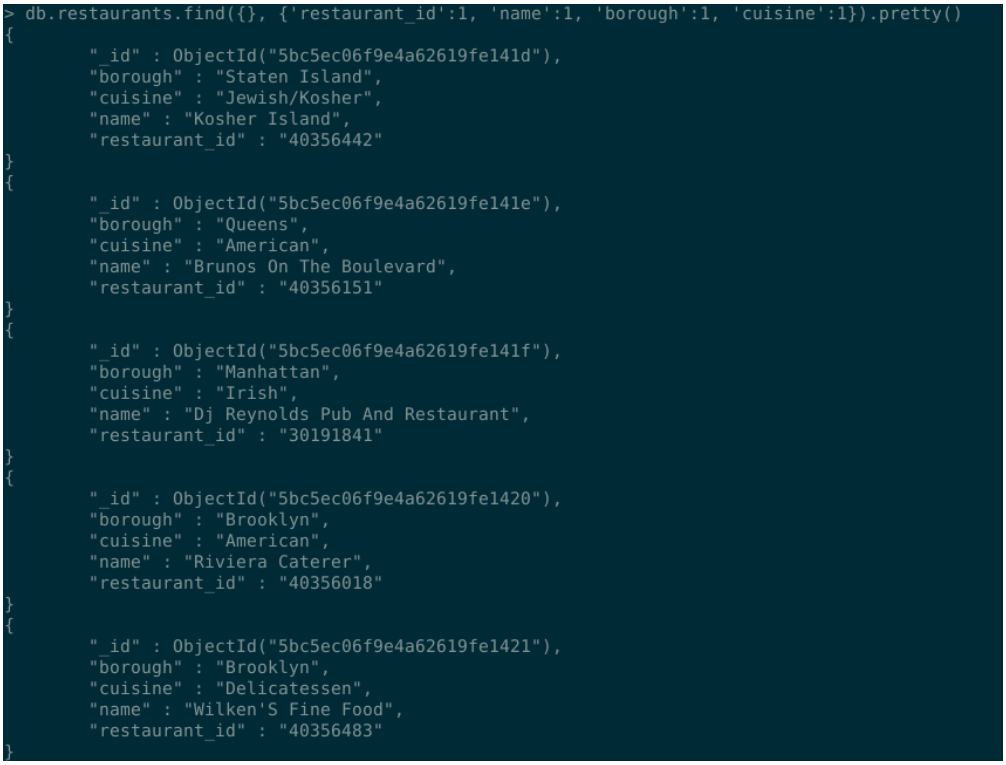


```
> db.restaurants.find({}).pretty()
{
        "_id" : ObjectId("5bc5ec06f9e4a62619fe141d"),
        "address" : {
                "building" : "2206",
                "coord" : [
                        -74.1377286,
                        40.6119572
                ],
                "street" : "Victory Boulevard",
                "zipcode" : "10314"
        },
        "borough" : "Staten Island",
        "cuisine" : "Jewish/Kosher",
        "grades" : [
                {
                        "date" : ISODate("2014-10-06T00:00:00Z"),
                        "grade" : "A",
                        "score" : 9
                },
                {
                        "date" : ISODate("2014-05-20T00:00:00Z"),
                        "grade" : "A",
                        "score" : 12
                },
                {
                        "date" : ISODate("2013-04-04T00:00:00Z"),
                        "grade" : "A",
                        "score" : 12
                },
                {
                        "date" : ISODate("2012-01-24T00:00:00Z"),
                        "grade" : "A",
                        "score" : 9
                }
        ],
        "name" : "Kosher Island",
        "restaurant_id" : "40356442"
}
```

Q2

Write a MongoDB query to display the fields, restaurant_id, name, borough, and cuisine for all documents in the collection, restaurant.

db.restaurants.find({}, {'restaurant_id':1, 'name':1, 'borough':1, 'cuisine':1}).pretty()

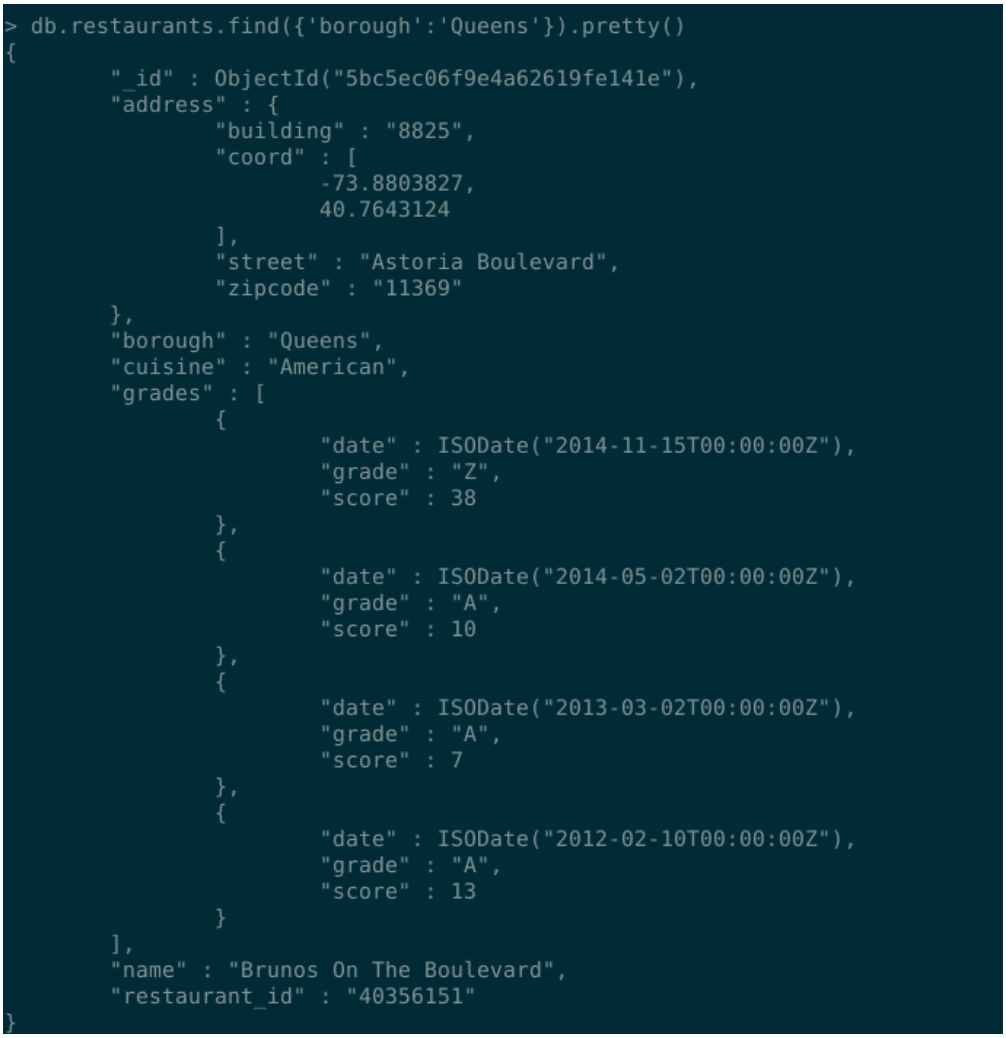


```
> db.restaurants.find({}, {'restaurant_id':1, 'name':1, 'borough':1, 'cuisine':1}).pretty()
{
        "_id" : ObjectId("5bc5ec06f9e4a62619fe141d"),
        "borough" : "Staten Island",
        "cuisine" : "Jewish/Kosher",
        "name" : "Kosher Island",
        "restaurant_id" : "40356442"
}
{
        "_id" : ObjectId("5bc5ec06f9e4a62619fe141e"),
        "borough" : "Queens",
        "cuisine" : "American",
        "name" : "Brunos On The Boulevard",
        "restaurant_id" : "40356151"
}
{
        "_id" : ObjectId("5bc5ec06f9e4a62619fe141f"),
        "borough" : "Manhattan",
        "cuisine" : "Irish",
        "name" : "Dj Reynolds Pub And Restaurant",
        "restaurant_id" : "30191841"
}
{
        "_id" : ObjectId("5bc5ec06f9e4a62619fe1420"),
        "borough" : "Brooklyn",
        "cuisine" : "American",
        "name" : "Riviera Caterer",
        "restaurant_id" : "40356018"
}
{
        "_id" : ObjectId("5bc5ec06f9e4a62619fe1421"),
        "borough" : "Brooklyn",
        "cuisine" : "Delicatessen",
        "name" : "Wilken'S Fine Food",
        "restaurant_id" : "40356483"
}
```

Q3

Write a MongoDB query to display all restaurants which are in the borough, Queens.

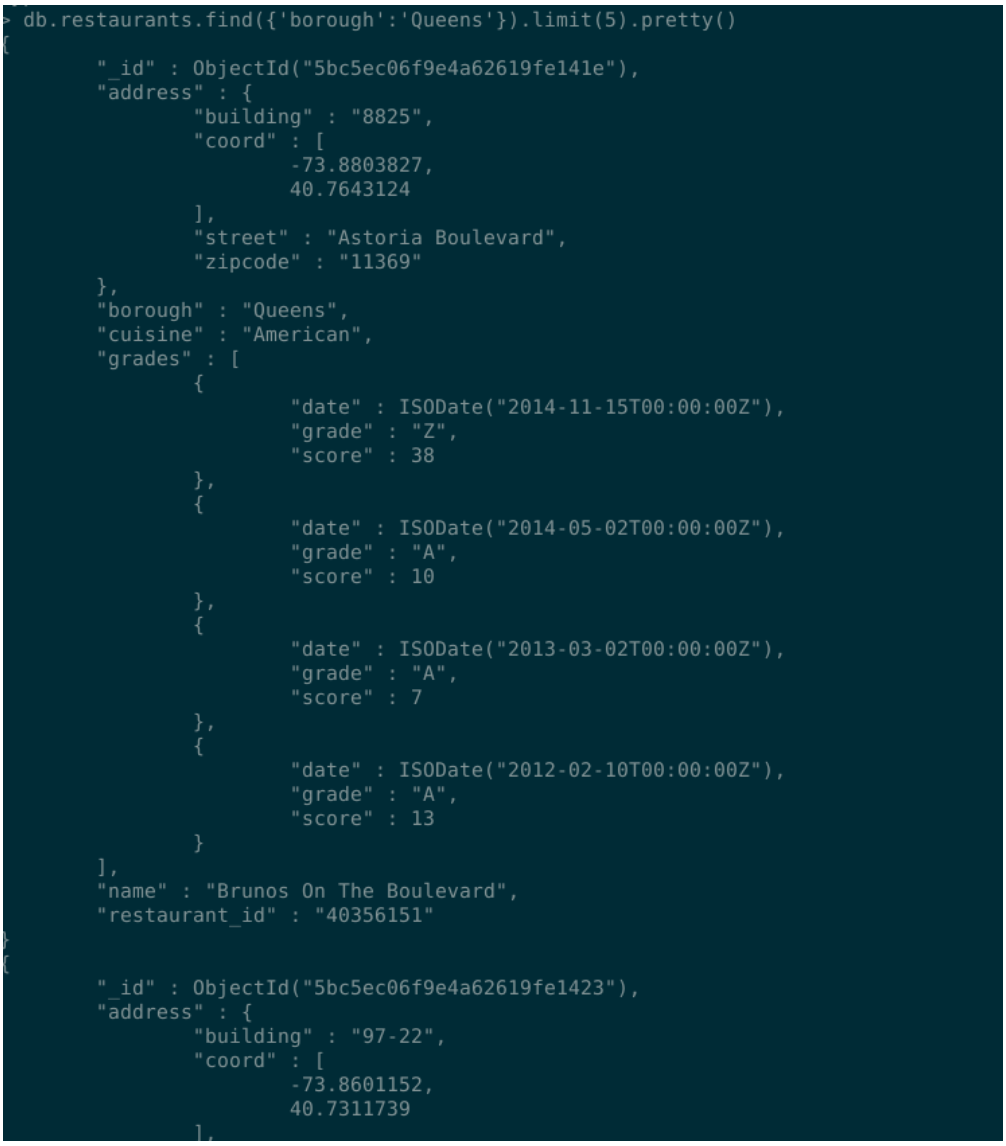
db.restaurants.find({'borough':'Queens'}.pretty())



Q4

Write a MongoDB query to display the first 5 restaurants in the borough, Queens.

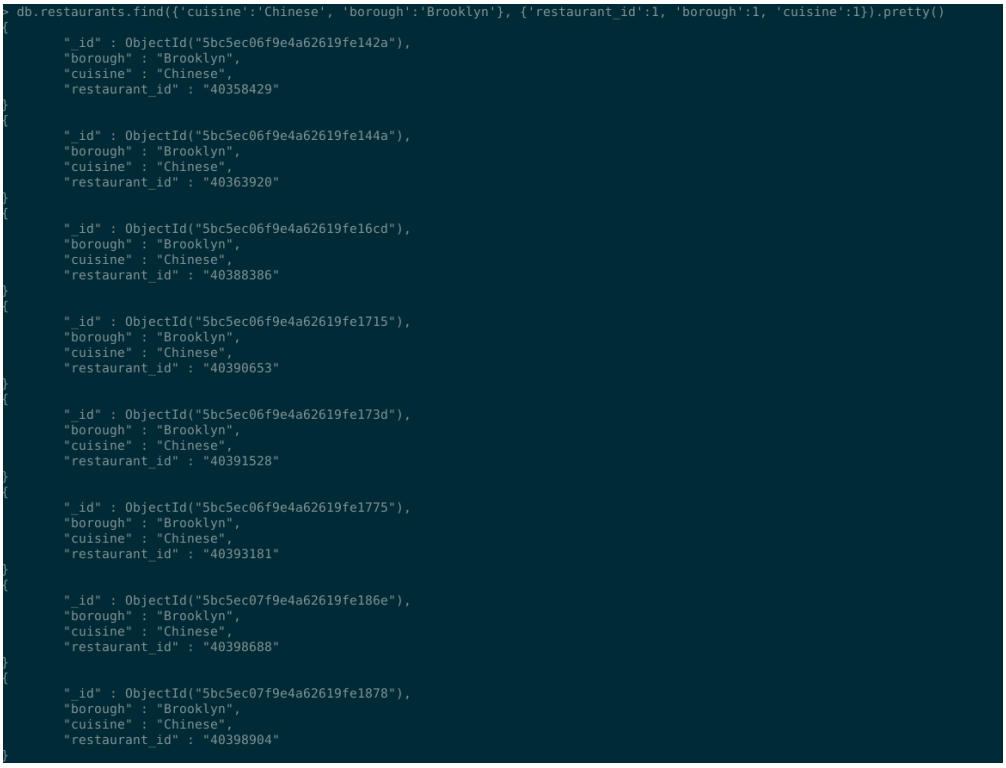
db.restaurants.find({'borough':'Queens'}).limit(5).pretty()



Q5

Write a query to find all the Chinese restaurants in the borough, Brooklyn. Ideally print only the restaurant_id, borough, and cuisine.

db.restaurants.find({'cuisine':'Chinese', 'borough':'Brooklyn'}, {'restaurant_id':1, 'borough':1, 'cuisine':1}).pretty()



Q6

Write a query to find all restaurants that are not American cuisine and have a grades score of greater than 85.

db.restaurants.find({"grades.score" : {$gt : 85}, 'cuisine': {$ne: 'American'}}).pretty()

```
> db.restaurants.find({"grades.score" : {$gt : 85}, 'cuisine': {$ne: 'American'}}).pretty()
{
        "_id" : ObjectId("5bc5ec06f9e4a62619fe161a"),
        "address" : {
                "building" : "345",
                "coord" : [
                        -73.9864626,
                        40.7266739
                ],
                "street" : "East 6 Street",
                "zipcode" : "10003"
        },
        "borough" : "Manhattan",
        "cuisine" : "Indian",
        "grades" : [
                {
                        "date" : ISODate("2014-09-15T00:00:00Z"),
                        "grade" : "A",
                        "score" : 5
                },
                {
                        "date" : ISODate("2014-01-14T00:00:00Z"),
                        "grade" : "A",
                        "score" : 8
                },
                {
                        "date" : ISODate("2013-05-30T00:00:00Z"),
                        "grade" : "A",
                        "score" : 12
                },
                {
                        "date" : ISODate("2013-04-24T00:00:00Z"),
                        "grade" : "P",
                        "score" : 2
                },
                {
                        "date" : ISODate("2012-10-01T00:00:00Z"),
                        "grade" : "A",
                        "score" : 9
                },
                {
                        "date" : ISODate("2012-04-06T00:00:00Z"),
                        "grade" : "C",
                        "score" : 92
                },
                {
                        "date" : ISODate("2011-11-03T00:00:00Z"),
                        "grade" : "C",
                        "score" : 41
                }
        ],
        "name" : "Gandhi",
        "restaurant_id" : "40381295"
}
```