MongoDB – Complex Queries

# Mongo DB Exercises - With the Restaurants Data Set

1. Download the restaurants.zip file
2. Unzip the file, you will see restaurants.json file
3. Run the mongod server
4. Run the following command to import the json file provided. It will load the json file into the mongodb with database name - restaurants, collections name - addresses

# mongoimport --db restaurants --collection addresses --file restaurants.json

1. Run mongo shell command
2. show databases
3. use restaurants
4. db.addresses.find() should print entire json data
5. Then start working on the following exercises and submit your queries as the answers to the questions

# Query Reference Links and Cheat sheets

1. <https://docs.mongodb.com/manual/crud/>

# Exercise Questions

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

db.addresses.find()

{ \_id: ObjectId("617bd143bca94ace54c78865"),

address:

{ building: '97-22',

coord: [ -73.8601152, 40.7311739 ],

street: '63 Road',

zipcode: '11374' },

borough: 'Queens',

cuisine: 'Jewish/Kosher',

grades:

[ { date: 2014-11-24T00:00:00.000Z, grade: 'Z', score: 20 },

{ date: 2013-01-17T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-08-02T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-12-15T00:00:00.000Z, grade: 'B', score: 25 } ],

name: 'Tov Kosher Kitchen',

restaurant\_id: '40356068' }

{ \_id: ObjectId("617bd143bca94ace54c7887f"),

address:

{ building: '107',

coord: [ -74.00920839999999, 40.7132925 ],

street: 'Church Street',

zipcode: '10007' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-07-18T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2014-02-26T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-08-26T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-02-01T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-01-17T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-10-18T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Downtown Deli',

restaurant\_id: '40363021' }

{ \_id: ObjectId("617bd143bca94ace54c7887a"),

address:

{ building: '18',

coord: [ -73.996984, 40.72589 ],

street: 'West Houston Street',

zipcode: '10012' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-04-03T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-04-05T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2012-03-21T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-04-27T00:00:00.000Z, grade: 'A', score: 5 } ],

name: 'Angelika Film Center',

restaurant\_id: '40362274' }

{ \_id: ObjectId("617bd143bca94ace54c78873"),

address:

{ building: '522',

coord: [ -73.95171, 40.767461 ],

street: 'East 74 Street',

zipcode: '10021' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-09-02T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-12-19T00:00:00.000Z, grade: 'B', score: 16 },

{ date: 2013-05-28T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-12-07T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-03-29T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Glorious Food',

restaurant\_id: '40361521' }

{ \_id: ObjectId("617bd143bca94ace54c78879"),

address:

{ building: '730',

coord: [ -73.96805719999999, 40.7925587 ],

street: 'Columbus Avenue',

zipcode: '10025' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-09-12T00:00:00.000Z, grade: 'B', score: 26 },

{ date: 2013-08-28T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-03-25T00:00:00.000Z, grade: 'B', score: 20 },

{ date: 2012-02-14T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'P & S Deli Grocery',

restaurant\_id: '40362264' }

{ \_id: ObjectId("617bd143bca94ace54c7887c"),

address:

{ building: '103-05',

coord: [ -73.8642349, 40.75356 ],

street: '37 Avenue',

zipcode: '11368' },

borough: 'Queens',

cuisine: 'Chinese',

grades:

[ { date: 2014-04-21T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-11-12T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-06-04T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-11-14T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-10-11T00:00:00.000Z, grade: 'P', score: 0 },

{ date: 2012-05-24T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-12-08T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-07-20T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Ho Mei Restaurant',

restaurant\_id: '40362432' }

{ \_id: ObjectId("617bd143bca94ace54c7887d"),

address:

{ building: '60',

coord: [ -74.0085357, 40.70620539999999 ],

street: 'Wall Street',

zipcode: '10005' },

borough: 'Manhattan',

cuisine: 'Turkish',

grades:

[ { date: 2014-09-26T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-09-18T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-09-21T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-05-09T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'The Country Cafe',

restaurant\_id: '40362715' }

{ \_id: ObjectId("617bd143bca94ace54c7888f"),

address:

{ building: '1111',

coord: [ -74.0796436, 40.59878339999999 ],

street: 'Hylan Boulevard',

zipcode: '10305' },

borough: 'Staten Island',

cuisine: 'Ice Cream, Gelato, Yogurt, Ices',

grades:

[ { date: 2014-04-24T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-02-26T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2012-02-02T00:00:00.000Z, grade: 'A', score: 2 } ],

name: 'Carvel Ice Cream',

restaurant\_id: '40363834' }

{ \_id: ObjectId("617bd143bca94ace54c788bd"),

address:

{ building: '6736',

coord: [ -74.2274942, 40.5071996 ],

street: 'Hylan Boulevard',

zipcode: '10309' },

borough: 'Staten Island',

cuisine: 'American ',

grades:

[ { date: 2014-08-13T00:00:00.000Z, grade: 'A', score: 3 },

{ date: 2013-08-20T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2012-06-18T00:00:00.000Z, grade: 'A', score: 6 } ],

name: 'South Shore Swimming Club',

restaurant\_id: '40365120' }

{ \_id: ObjectId("617bd143bca94ace54c788dd"),

address:

{ building: '10701',

coord: [ -73.856132, 40.743841 ],

street: 'Corona Avenue',

zipcode: '11368' },

borough: 'Queens',

cuisine: 'Italian',

grades:

[ { date: 2014-07-17T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2014-02-25T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-03-27T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-02-07T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-12-28T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Parkside Restaurant',

restaurant\_id: '40365841' }

{ \_id: ObjectId("617bd143bca94ace54c788fb"),

address:

{ building: '37-37',

coord: [ -73.8700163, 40.7504734 ],

street: 'Junction Boulevard',

zipcode: '11368' },

borough: 'Queens',

cuisine: 'Chinese',

grades:

[ { date: 2014-09-25T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2014-05-14T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2013-11-12T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-06-04T00:00:00.000Z, grade: 'B', score: 20 },

{ date: 2012-12-05T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-06-27T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-11-28T00:00:00.000Z, grade: 'B', score: 26 } ],

name: 'Jardin De China Rest',

restaurant\_id: '40366543' }

{ \_id: ObjectId("617bd143bca94ace54c78905"),

address:

{ building: '21',

coord: [ -73.9168424, 40.8401362 ],

street: 'East 170 Street',

zipcode: '10452' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-12-16T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2014-08-12T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-03-03T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2013-08-29T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-08-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-02-13T00:00:00.000Z, grade: 'B', score: 16 } ],

name: 'Munchtime',

restaurant\_id: '40366748' }

{ \_id: ObjectId("617bd143bca94ace54c78927"),

address:

{ building: '406',

coord: [ -73.9550129, 40.768019 ],

street: 'East 73 Street',

zipcode: '10021' },

borough: 'Manhattan',

cuisine: 'Spanish',

grades:

[ { date: 2014-07-30T00:00:00.000Z, grade: 'A', score: 6 },

{ date: 2013-05-23T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-10-04T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-09-04T00:00:00.000Z, grade: 'P', score: 9 },

{ date: 2012-02-23T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2011-09-12T00:00:00.000Z, grade: 'B', score: 24 } ],

name: 'Malaga Restaurant',

restaurant\_id: '40367544' }

{ \_id: ObjectId("617bd143bca94ace54c78938"),

address:

{ building: '2300',

coord: [ -73.8786113, 40.8502883 ],

street: 'Southern Boulevard',

zipcode: '10460' },

borough: 'Bronx',

cuisine: 'Café/Coffee/Tea',

grades:

[ { date: 2014-05-21T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-05-29T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-06-18T00:00:00.000Z, grade: 'A', score: 8 } ],

name: 'Terrace Cafe',

restaurant\_id: '40368018' }

{ \_id: ObjectId("617bd143bca94ace54c7895d"),

address:

{ building: '135',

coord: [ -73.9717, 40.756457 ],

street: 'East 50 Street',

zipcode: '10022' },

borough: 'Manhattan',

cuisine: 'Japanese',

grades:

[ { date: 2014-12-03T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2014-05-23T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-02-27T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-08-08T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2012-02-14T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Nada-Sushi',

restaurant\_id: '40369097' }

{ \_id: ObjectId("617bd143bca94ace54c78978"),

address:

{ building: '1011',

coord: [ -73.9623333, 40.7757194 ],

street: 'Madison Avenue',

zipcode: '10075' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-05-02T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-10-21T00:00:00.000Z, grade: 'B', score: 15 },

{ date: 2013-04-19T00:00:00.000Z, grade: 'B', score: 0 },

{ date: 2012-11-21T00:00:00.000Z, grade: 'C', score: 40 },

{ date: 2012-04-09T00:00:00.000Z, grade: 'B', score: 17 } ],

name: 'Viand Cafe',

restaurant\_id: '40369753' }

{ \_id: ObjectId("617bd143bca94ace54c78986"),

address:

{ building: '83-18',

coord: [ -73.807954, 40.715159 ],

street: 'Parsons Boulevard',

zipcode: '11432' },

borough: 'Queens',

cuisine: 'American ',

grades:

[ { date: 2014-12-31T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2014-03-18T00:00:00.000Z, grade: 'B', score: 21 },

{ date: 2013-09-25T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-04-10T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-08-30T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'The Dart Inn',

restaurant\_id: '40369983' }

{ \_id: ObjectId("617bd143bca94ace54c7898a"),

address:

{ building: '4272',

coord: [ -73.86720489999999, 40.8977501 ],

street: 'Katonah Avenue',

zipcode: '10470' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-05-23T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-11-04T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-04-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-09-24T00:00:00.000Z, grade: 'B', score: 15 } ],

name: 'John Mulligan\'S Fireside Pub',

restaurant\_id: '40370150' }

{ \_id: ObjectId("617bd143bca94ace54c7899a"),

address:

{ building: '172',

coord: [ -74.0007509, 40.7287609 ],

street: 'Bleecker Street',

zipcode: '10012' },

borough: 'Manhattan',

cuisine: 'Spanish',

grades:

[ { date: 2014-08-05T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2014-01-07T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-05-31T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2012-06-26T00:00:00.000Z, grade: 'B', score: 26 },

{ date: 2012-01-18T00:00:00.000Z, grade: 'C', score: 54 },

{ date: 2011-09-06T00:00:00.000Z, grade: 'B', score: 14 } ],

name: 'Cafe Espanol',

restaurant\_id: '40370759' }

{ \_id: ObjectId("617bd143bca94ace54c789ac"),

address:

{ building: '4801',

coord: [ -73.984858, 40.631394 ],

street: '16 Avenue',

zipcode: '11204' },

borough: 'Brooklyn',

cuisine: 'Jewish/Kosher',

grades:

[ { date: 2014-09-18T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-10-09T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-05-23T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2012-04-05T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2011-11-17T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'Dairy Luncheonette',

restaurant\_id: '40371684' }

Type "it" for more

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

db.addresses.aggregate([{$group:{\_id:{restaurant\_id:"$restaurant\_id",name:"$name",borough:"$borough",cuisine:"$cuisine"}}}])

{ \_id:

{ restaurant\_id: '40513662',

name: 'Piaxtla Es Mexico Deli',

borough: 'Brooklyn',

cuisine: 'Mexican' } }

{ \_id:

{ restaurant\_id: '40731158',

name: 'Fish Bar',

borough: 'Manhattan',

cuisine: 'American ' } }

{ \_id:

{ restaurant\_id: '40367278',

name: 'Jack\'S Pizza & Pasta',

borough: 'Queens',

cuisine: 'Pizza/Italian' } }

{ \_id:

{ restaurant\_id: '40361322',

name: 'Carvel Ice Cream',

borough: 'Queens',

cuisine: 'Ice Cream, Gelato, Yogurt, Ices' } }

{ \_id:

{ restaurant\_id: '40577676',

name: 'Sarabeth\'S Kitchen',

borough: 'Manhattan',

cuisine: 'American ' } }

{ \_id:

{ restaurant\_id: '40395140',

name: 'Tony\'S Pizzeria & Restaurant',

borough: 'Brooklyn',

cuisine: 'Pizza/Italian' } }

{ \_id:

{ restaurant\_id: '40380996',

name: 'Smiling Pizza',

borough: 'Brooklyn',

cuisine: 'Pizza' } }

{ \_id:

{ restaurant\_id: '40400890',

name: 'Starting Gate',

borough: 'Queens',

cuisine: 'American ' } }

{ \_id:

{ restaurant\_id: '40376944',

name: 'Tomoe Sushi',

borough: 'Manhattan',

cuisine: 'Japanese' } }

{ \_id:

{ restaurant\_id: '40397676',

name: 'Morton\'S Steakhouse',

borough: 'Manhattan',

cuisine: 'American ' } }

{ \_id:

{ restaurant\_id: '40881627',

name: 'Juice Generation',

borough: 'Manhattan',

cuisine: 'Juice, Smoothies, Fruit Salads' } }

{ \_id:

{ restaurant\_id: '40600780',

name: 'Le Rivage',

borough: 'Manhattan',

cuisine: 'French' } }

{ \_id:

{ restaurant\_id: '40388828',

name: 'Dallas Bbq',

borough: 'Manhattan',

cuisine: 'Barbecue' } }

{ \_id:

{ restaurant\_id: '40364305',

name: 'Philadelhia Grille Express',

borough: 'Brooklyn',

cuisine: 'Italian' } }

{ \_id:

{ restaurant\_id: '40401104',

name: '1020 Bar',

borough: 'Manhattan',

cuisine: 'American ' } }

{ \_id:

{ restaurant\_id: '40665681',

name: 'Gino\'S Pastry Shop',

borough: 'Bronx',

cuisine: 'Bakery' } }

{ \_id:

{ restaurant\_id: '40691939',

name: 'Bistro Citron',

borough: 'Manhattan',

cuisine: 'French' } }

{ \_id:

{ restaurant\_id: '40391808',

name: 'Ihop',

borough: 'Queens',

cuisine: 'Pancakes/Waffles' } }

{ \_id:

{ restaurant\_id: '40760778',

name: 'La Nortena Express Restaurant',

borough: 'Queens',

cuisine: 'Mexican' } }

{ \_id:

{ restaurant\_id: '40895769',

name: 'Eat-A-Bagel (Andrew J. Barbery Ferry Boat)',

borough: 'Manhattan',

cuisine: 'Bagels/Pretzels' } }

1. Write a MongoDB query to display the fields restaurant\_id, name, borough and cuisine, but exclude the field \_id for all the documents in the collection restaurant.

db.addresses.aggregate([{$project:{\_id:false,"restaurant\_id":"$restaurant\_id","name":"$name","borough":"$borough","cuisine":"$cuisine"}}])

{ restaurant\_id: '40356068',

name: 'Tov Kosher Kitchen',

borough: 'Queens',

cuisine: 'Jewish/Kosher' }

{ restaurant\_id: '40363021',

name: 'Downtown Deli',

borough: 'Manhattan',

cuisine: 'American ' }

{ restaurant\_id: '40362274',

name: 'Angelika Film Center',

borough: 'Manhattan',

cuisine: 'American ' }

{ restaurant\_id: '40361521',

name: 'Glorious Food',

borough: 'Manhattan',

cuisine: 'American ' }

{ restaurant\_id: '40362264',

name: 'P & S Deli Grocery',

borough: 'Manhattan',

cuisine: 'American ' }

{ restaurant\_id: '40362432',

name: 'Ho Mei Restaurant',

borough: 'Queens',

cuisine: 'Chinese' }

{ restaurant\_id: '40362715',

name: 'The Country Cafe',

borough: 'Manhattan',

cuisine: 'Turkish' }

{ restaurant\_id: '40363834',

name: 'Carvel Ice Cream',

borough: 'Staten Island',

cuisine: 'Ice Cream, Gelato, Yogurt, Ices' }

{ restaurant\_id: '40365120',

name: 'South Shore Swimming Club',

borough: 'Staten Island',

cuisine: 'American ' }

{ restaurant\_id: '40365841',

name: 'Parkside Restaurant',

borough: 'Queens',

cuisine: 'Italian' }

{ restaurant\_id: '40366543',

name: 'Jardin De China Rest',

borough: 'Queens',

cuisine: 'Chinese' }

{ restaurant\_id: '40366748',

name: 'Munchtime',

borough: 'Bronx',

cuisine: 'American ' }

{ restaurant\_id: '40367544',

name: 'Malaga Restaurant',

borough: 'Manhattan',

cuisine: 'Spanish' }

{ restaurant\_id: '40368018',

name: 'Terrace Cafe',

borough: 'Bronx',

cuisine: 'Café/Coffee/Tea' }

{ restaurant\_id: '40369097',

name: 'Nada-Sushi',

borough: 'Manhattan',

cuisine: 'Japanese' }

{ restaurant\_id: '40369753',

name: 'Viand Cafe',

borough: 'Manhattan',

cuisine: 'American ' }

{ restaurant\_id: '40369983',

name: 'The Dart Inn',

borough: 'Queens',

cuisine: 'American ' }

{ restaurant\_id: '40370150',

name: 'John Mulligan\'S Fireside Pub',

borough: 'Bronx',

cuisine: 'American ' }

{ restaurant\_id: '40370759',

name: 'Cafe Espanol',

borough: 'Manhattan',

cuisine: 'Spanish' }

{ restaurant\_id: '40371684',

name: 'Dairy Luncheonette',

borough: 'Brooklyn',

cuisine: 'Jewish/Kosher' }

Type "it" for more

Atlas atlas-nsmuvf-shard-0 [primary] restaurants

1. Write a MongoDB query to display the fields restaurant\_id, name, borough and zip code, but exclude the field \_id for all the documents in the collection restaurant.

db.addresses.aggregate([{$project:{\_id:false,"restaurant\_id":"$restaurant\_id","name":"$name","borough":"$borough","zipcode":"$address.zipcode"}}])

{ restaurant\_id: '40356068',

name: 'Tov Kosher Kitchen',

borough: 'Queens',

zipcode: '11374' }

{ restaurant\_id: '40363021',

name: 'Downtown Deli',

borough: 'Manhattan',

zipcode: '10007' }

{ restaurant\_id: '40362274',

name: 'Angelika Film Center',

borough: 'Manhattan',

zipcode: '10012' }

{ restaurant\_id: '40361521',

name: 'Glorious Food',

borough: 'Manhattan',

zipcode: '10021' }

{ restaurant\_id: '40362264',

name: 'P & S Deli Grocery',

borough: 'Manhattan',

zipcode: '10025' }

{ restaurant\_id: '40362432',

name: 'Ho Mei Restaurant',

borough: 'Queens',

zipcode: '11368' }

{ restaurant\_id: '40362715',

name: 'The Country Cafe',

borough: 'Manhattan',

zipcode: '10005' }

{ restaurant\_id: '40363834',

name: 'Carvel Ice Cream',

borough: 'Staten Island',

zipcode: '10305' }

{ restaurant\_id: '40365120',

name: 'South Shore Swimming Club',

borough: 'Staten Island',

zipcode: '10309' }

{ restaurant\_id: '40365841',

name: 'Parkside Restaurant',

borough: 'Queens',

zipcode: '11368' }

{ restaurant\_id: '40366543',

name: 'Jardin De China Rest',

borough: 'Queens',

zipcode: '11368' }

{ restaurant\_id: '40366748',

name: 'Munchtime',

borough: 'Bronx',

zipcode: '10452' }

{ restaurant\_id: '40367544',

name: 'Malaga Restaurant',

borough: 'Manhattan',

zipcode: '10021' }

{ restaurant\_id: '40368018',

name: 'Terrace Cafe',

borough: 'Bronx',

zipcode: '10460' }

{ restaurant\_id: '40369097',

name: 'Nada-Sushi',

borough: 'Manhattan',

zipcode: '10022' }

{ restaurant\_id: '40369753',

name: 'Viand Cafe',

borough: 'Manhattan',

zipcode: '10075' }

{ restaurant\_id: '40369983',

name: 'The Dart Inn',

borough: 'Queens',

zipcode: '11432' }

{ restaurant\_id: '40370150',

name: 'John Mulligan\'S Fireside Pub',

borough: 'Bronx',

zipcode: '10470' }

{ restaurant\_id: '40370759',

name: 'Cafe Espanol',

borough: 'Manhattan',

zipcode: '10012' }

{ restaurant\_id: '40371684',

name: 'Dairy Luncheonette',

borough: 'Brooklyn',

zipcode: '11204' }

1. Write a MongoDB query to display the first 5 restaurant which is in the borough Bronx.

db.addresses.aggregate([{$match:{borough:"Bronx"}},{$limit:5}])

{ \_id: ObjectId("617bd143bca94ace54c78905"),

address:

{ building: '21',

coord: [ -73.9168424, 40.8401362 ],

street: 'East 170 Street',

zipcode: '10452' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-12-16T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2014-08-12T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-03-03T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2013-08-29T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-08-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-02-13T00:00:00.000Z, grade: 'B', score: 16 } ],

name: 'Munchtime',

restaurant\_id: '40366748' }

{ \_id: ObjectId("617bd143bca94ace54c78938"),

address:

{ building: '2300',

coord: [ -73.8786113, 40.8502883 ],

street: 'Southern Boulevard',

zipcode: '10460' },

borough: 'Bronx',

cuisine: 'Café/Coffee/Tea',

grades:

[ { date: 2014-05-21T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-05-29T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-06-18T00:00:00.000Z, grade: 'A', score: 8 } ],

name: 'Terrace Cafe',

restaurant\_id: '40368018' }

{ \_id: ObjectId("617bd143bca94ace54c7898a"),

address:

{ building: '4272',

coord: [ -73.86720489999999, 40.8977501 ],

street: 'Katonah Avenue',

zipcode: '10470' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-05-23T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-11-04T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-04-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-09-24T00:00:00.000Z, grade: 'B', score: 15 } ],

name: 'John Mulligan\'S Fireside Pub',

restaurant\_id: '40370150' }

{ \_id: ObjectId("617bd143bca94ace54c7893a"),

address:

{ building: '2300',

coord: [ -73.8786113, 40.8502883 ],

street: 'Southern Boulevard',

zipcode: '10460' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-05-21T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2013-05-22T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-05-17T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-06-08T00:00:00.000Z, grade: 'A', score: 5 } ],

name: 'Cool Zone',

restaurant\_id: '40368022' }

{ \_id: ObjectId("617bd143bca94ace54c7896e"),

address:

{ building: '2375',

coord: [ -73.85534559999999, 40.8426433 ],

street: 'East Tremont Avenue',

zipcode: '10462' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-10-14T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2014-04-08T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-11-04T00:00:00.000Z, grade: 'C', score: 45 },

{ date: 2013-05-23T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-10-18T00:00:00.000Z, grade: 'B', score: 15 },

{ date: 2012-10-05T00:00:00.000Z, grade: 'P', score: 12 },

{ date: 2012-05-14T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-12-21T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Bronx Grill',

restaurant\_id: '40369601' }

1. Write a MongoDB query to display all the restaurant which is in the borough Bronx.

db.addresses.aggregate([{$match:{borough:"Bronx"}}])

{ \_id: ObjectId("617bd143bca94ace54c78905"),

address:

{ building: '21',

coord: [ -73.9168424, 40.8401362 ],

street: 'East 170 Street',

zipcode: '10452' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-12-16T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2014-08-12T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-03-03T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2013-08-29T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-08-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-02-13T00:00:00.000Z, grade: 'B', score: 16 } ],

name: 'Munchtime',

restaurant\_id: '40366748' }

{ \_id: ObjectId("617bd143bca94ace54c78938"),

address:

{ building: '2300',

coord: [ -73.8786113, 40.8502883 ],

street: 'Southern Boulevard',

zipcode: '10460' },

borough: 'Bronx',

cuisine: 'Café/Coffee/Tea',

grades:

[ { date: 2014-05-21T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-05-29T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-06-18T00:00:00.000Z, grade: 'A', score: 8 } ],

name: 'Terrace Cafe',

restaurant\_id: '40368018' }

{ \_id: ObjectId("617bd143bca94ace54c7898a"),

address:

{ building: '4272',

coord: [ -73.86720489999999, 40.8977501 ],

street: 'Katonah Avenue',

zipcode: '10470' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-05-23T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-11-04T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-04-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-09-24T00:00:00.000Z, grade: 'B', score: 15 } ],

name: 'John Mulligan\'S Fireside Pub',

restaurant\_id: '40370150' }

{ \_id: ObjectId("617bd143bca94ace54c7893a"),

address:

{ building: '2300',

coord: [ -73.8786113, 40.8502883 ],

street: 'Southern Boulevard',

zipcode: '10460' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-05-21T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2013-05-22T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-05-17T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-06-08T00:00:00.000Z, grade: 'A', score: 5 } ],

name: 'Cool Zone',

restaurant\_id: '40368022' }

{ \_id: ObjectId("617bd143bca94ace54c7896e"),

address:

{ building: '2375',

coord: [ -73.85534559999999, 40.8426433 ],

street: 'East Tremont Avenue',

zipcode: '10462' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-10-14T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2014-04-08T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-11-04T00:00:00.000Z, grade: 'C', score: 45 },

{ date: 2013-05-23T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-10-18T00:00:00.000Z, grade: 'B', score: 15 },

{ date: 2012-10-05T00:00:00.000Z, grade: 'P', score: 12 },

{ date: 2012-05-14T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-12-21T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Bronx Grill',

restaurant\_id: '40369601' }

{ \_id: ObjectId("617bd143bca94ace54c78a4c"),

address:

{ building: '158',

coord: [ -73.8982405, 40.8616283 ],

street: 'E. 188 Th St',

zipcode: '10468' },

borough: 'Bronx',

cuisine: 'Spanish',

grades:

[ { date: 2014-12-11T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-07-24T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2014-02-10T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-08-12T00:00:00.000Z, grade: 'B', score: 21 },

{ date: 2013-01-08T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2011-12-15T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Cuchifritos',

restaurant\_id: '40380164' }

{ \_id: ObjectId("617bd143bca94ace54c78884"),

address:

{ building: '1236',

coord: [ -73.8893654, 40.81376179999999 ],

street: '238 Spofford Ave',

zipcode: '10474' },

borough: 'Bronx',

cuisine: 'Chinese',

grades:

[ { date: 2013-12-30T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-01-08T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-06-12T00:00:00.000Z, grade: 'B', score: 15 } ],

name: 'Happy Garden',

restaurant\_id: '40363289' }

{ \_id: ObjectId("617bd143bca94ace54c789c4"),

address:

{ building: '1599',

coord: [ -73.87575, 40.8294396 ],

street: 'Westchester Avenue',

zipcode: '10472' },

borough: 'Bronx',

cuisine: 'Pizza',

grades:

[ { date: 2015-01-13T00:00:00.000Z, grade: 'Z', score: 17 },

{ date: 2014-08-04T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2014-07-21T00:00:00.000Z, grade: 'P', score: 12 },

{ date: 2014-02-20T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-08-15T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-03-13T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-01-17T00:00:00.000Z, grade: 'A', score: 10 } ],

name: 'Yankee Jz Pizza',

restaurant\_id: '40372631' }

{ \_id: ObjectId("617bd143bca94ace54c78a3f"),

address:

{ building: '4090',

coord: [ -83.8842292, 30.6928463 ],

street: 'Boston Post Road',

zipcode: '10475' },

borough: 'Bronx',

cuisine: 'Donuts',

grades:

[ { date: 2014-07-09T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-07-16T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2012-08-01T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'Dunkin\' Donuts',

restaurant\_id: '40379573' }

{ \_id: ObjectId("617bd143bca94ace54c788fa"),

address:

{ building: '5820',

coord: [ -73.9002615, 40.885186 ],

street: 'Broadway',

zipcode: '10463' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-02-26T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-10-09T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2013-05-15T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-11-20T00:00:00.000Z, grade: 'B', score: 18 },

{ date: 2011-10-17T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2011-06-22T00:00:00.000Z, grade: 'C', score: 35 } ],

name: 'The Punch Bowl',

restaurant\_id: '40366497' }

{ \_id: ObjectId("617bd143bca94ace54c7893b"),

address:

{ building: '2300',

coord: [ -73.8786113, 40.8502883 ],

street: 'Southern Boulevard',

zipcode: '10460' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-05-21T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-05-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-06-15T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2011-06-08T00:00:00.000Z, grade: 'A', score: 0 } ],

name: 'Beaver Pond',

restaurant\_id: '40368025' }

{ \_id: ObjectId("617bd143bca94ace54c78964"),

address:

{ building: '591',

coord: [ -73.790804, 40.8541848 ],

street: 'City Island Ave',

zipcode: '10464' },

borough: 'Bronx',

cuisine: 'Seafood',

grades:

[ { date: 2014-12-11T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2014-06-07T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-11-09T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-04-16T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2012-02-29T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Seashore Restaurant',

restaurant\_id: '40369299' }

{ \_id: ObjectId("617bd143bca94ace54c78880"),

address:

{ building: '1006',

coord: [ -73.84856870000002, 40.8903781 ],

street: 'East 233 Street',

zipcode: '10466' },

borough: 'Bronx',

cuisine: 'Ice Cream, Gelato, Yogurt, Ices',

grades:

[ { date: 2014-04-24T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-09-05T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-02-21T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-07-03T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-07-11T00:00:00.000Z, grade: 'A', score: 5 } ],

name: 'Carvel Ice Cream',

restaurant\_id: '40363093' }

{ \_id: ObjectId("617bd143bca94ace54c78939"),

address:

{ building: '2300',

coord: [ -73.8786113, 40.8502883 ],

street: 'Southern Boulevard',

zipcode: '10460' },

borough: 'Bronx',

cuisine: 'African',

grades:

[ { date: 2014-05-21T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-06-01T00:00:00.000Z, grade: 'A', score: 6 },

{ date: 2012-06-12T00:00:00.000Z, grade: 'A', score: 0 },

{ date: 2011-06-08T00:00:00.000Z, grade: 'A', score: 0 } ],

name: 'African Terrace',

restaurant\_id: '40368021' }

{ \_id: ObjectId("617bd143bca94ace54c78a18"),

address:

{ building: '703',

coord: [ -73.79064389999999, 40.8575687 ],

street: 'Minnieford Ave',

zipcode: '10464' },

borough: 'Bronx',

cuisine: 'Seafood',

grades:

[ { date: 2014-09-09T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2014-04-01T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-08-26T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-03-04T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-06-14T00:00:00.000Z, grade: 'A', score: 10 } ],

name: 'Jp\'S Waterside Restaurant',

restaurant\_id: '40377124' }

{ \_id: ObjectId("617bd143bca94ace54c788b6"),

address:

{ building: '2222',

coord: [ -73.84971759999999, 40.8304811 ],

street: 'Haviland Avenue',

zipcode: '10462' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-12-18T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-05-01T00:00:00.000Z, grade: 'B', score: 17 },

{ date: 2013-03-14T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-09-20T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-02-08T00:00:00.000Z, grade: 'B', score: 19 } ],

name: 'The New Starling Athletic Club Of The Bronx',

restaurant\_id: '40364956' }

{ \_id: ObjectId("617bd143bca94ace54c78907"),

address:

{ building: '4340',

coord: [ -73.8194559, 40.8899176 ],

street: 'Boston Road',

zipcode: '10475' },

borough: 'Bronx',

cuisine: 'Pancakes/Waffles',

grades:

[ { date: 2014-09-22T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2014-05-16T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-10-30T00:00:00.000Z, grade: 'A', score: 3 },

{ date: 2013-06-05T00:00:00.000Z, grade: 'B', score: 24 },

{ date: 2012-05-14T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-01-04T00:00:00.000Z, grade: 'A', score: 7 } ],

name: 'Ihop',

restaurant\_id: '40366833' }

{ \_id: ObjectId("617bd143bca94ace54c7890c"),

address:

{ building: '1191',

coord: [ -73.8513114, 40.8316981 ],

street: 'Castle Hill Avenue',

zipcode: '10462' },

borough: 'Bronx',

cuisine: 'Café/Coffee/Tea',

grades:

[ { date: 2014-07-03T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-07-08T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-02-11T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-08-14T00:00:00.000Z, grade: 'B', score: 14 },

{ date: 2011-08-23T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'Lulu\'S Coffee Shop',

restaurant\_id: '40366938' }

{ \_id: ObjectId("617bd143bca94ace54c789b6"),

address:

{ building: '3660',

coord: [ -73.82339809999999, 40.8276846 ],

street: 'East Tremont Avenue',

zipcode: '10465' },

borough: 'Bronx',

cuisine: 'Hamburgers',

grades:

[ { date: 2014-04-28T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-04-30T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2012-04-26T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2011-10-11T00:00:00.000Z, grade: 'B', score: 20 },

{ date: 2011-05-26T00:00:00.000Z, grade: 'A', score: 10 } ],

name: 'Mcdonald\'S',

restaurant\_id: '40372196' }

{ \_id: ObjectId("617bd143bca94ace54c789dc"),

address:

{ building: '5655',

coord: [ -73.90401159999999, 40.8803571 ],

street: 'Broadway',

zipcode: '10463' },

borough: 'Bronx',

cuisine: 'Pancakes/Waffles',

grades:

[ { date: 2014-08-08T00:00:00.000Z, grade: 'A', score: 3 },

{ date: 2014-03-11T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-09-04T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-01-28T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-07-31T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2012-03-13T00:00:00.000Z, grade: 'B', score: 21 } ],

name: 'Ihop',

restaurant\_id: '40373938' }

1. Write a MongoDB query to display the next 5 restaurants after skipping first 5 which are in the borough Bronx.

db.addresses.find({"borough":"Bronx"}).skip(5).limit(5)

{ \_id: ObjectId("617bd143bca94ace54c78a4c"),

address:

{ building: '158',

coord: [ -73.8982405, 40.8616283 ],

street: 'E. 188 Th St',

zipcode: '10468' },

borough: 'Bronx',

cuisine: 'Spanish',

grades:

[ { date: 2014-12-11T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-07-24T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2014-02-10T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-08-12T00:00:00.000Z, grade: 'B', score: 21 },

{ date: 2013-01-08T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2011-12-15T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Cuchifritos',

restaurant\_id: '40380164' }

{ \_id: ObjectId("617bd143bca94ace54c78884"),

address:

{ building: '1236',

coord: [ -73.8893654, 40.81376179999999 ],

street: '238 Spofford Ave',

zipcode: '10474' },

borough: 'Bronx',

cuisine: 'Chinese',

grades:

[ { date: 2013-12-30T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-01-08T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-06-12T00:00:00.000Z, grade: 'B', score: 15 } ],

name: 'Happy Garden',

restaurant\_id: '40363289' }

{ \_id: ObjectId("617bd143bca94ace54c789c4"),

address:

{ building: '1599',

coord: [ -73.87575, 40.8294396 ],

street: 'Westchester Avenue',

zipcode: '10472' },

borough: 'Bronx',

cuisine: 'Pizza',

grades:

[ { date: 2015-01-13T00:00:00.000Z, grade: 'Z', score: 17 },

{ date: 2014-08-04T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2014-07-21T00:00:00.000Z, grade: 'P', score: 12 },

{ date: 2014-02-20T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-08-15T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-03-13T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-01-17T00:00:00.000Z, grade: 'A', score: 10 } ],

name: 'Yankee Jz Pizza',

restaurant\_id: '40372631' }

{ \_id: ObjectId("617bd143bca94ace54c78a3f"),

address:

{ building: '4090',

coord: [ -83.8842292, 30.6928463 ],

street: 'Boston Post Road',

zipcode: '10475' },

borough: 'Bronx',

cuisine: 'Donuts',

grades:

[ { date: 2014-07-09T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-07-16T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2012-08-01T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'Dunkin\' Donuts',

restaurant\_id: '40379573' }

{ \_id: ObjectId("617bd143bca94ace54c788fa"),

address:

{ building: '5820',

coord: [ -73.9002615, 40.885186 ],

street: 'Broadway',

zipcode: '10463' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-02-26T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-10-09T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2013-05-15T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-11-20T00:00:00.000Z, grade: 'B', score: 18 },

{ date: 2011-10-17T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2011-06-22T00:00:00.000Z, grade: 'C', score: 35 } ],

name: 'The Punch Bowl',

restaurant\_id: '40366497' }

1. Write a MongoDB query to find the restaurants who achieved a score more than 90.

{ \_id: ObjectId("617bd143bca94ace54c789bf"),

address:

{ building: '65',

coord: [ -73.9782725, 40.7624022 ],

street: 'West 54 Street',

zipcode: '10019' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-08-22T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2014-03-28T00:00:00.000Z, grade: 'C', score: 131 },

{ date: 2013-09-25T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-04-08T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2012-10-15T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-10-19T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Murals On 54/Randolphs\'S',

restaurant\_id: '40372466' }

{ \_id: ObjectId("617bd143bca94ace54c78a60"),

address:

{ building: '345',

coord: [ -73.9864626, 40.7266739 ],

street: 'East 6 Street',

zipcode: '10003' },

borough: 'Manhattan',

cuisine: 'Indian',

grades:

[ { date: 2014-09-15T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2014-01-14T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-05-30T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-04-24T00:00:00.000Z, grade: 'P', score: 2 },

{ date: 2012-10-01T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-04-06T00:00:00.000Z, grade: 'C', score: 92 },

{ date: 2011-11-03T00:00:00.000Z, grade: 'C', score: 41 } ],

name: 'Gandhi',

restaurant\_id: '40381295' }

{ \_id: ObjectId("617bd143bca94ace54c78bc3"),

address:

{ building: '130',

coord: [ -73.984758, 40.7457939 ],

street: 'Madison Avenue',

zipcode: '10016' },

borough: 'Manhattan',

cuisine: 'Pizza/Italian',

grades:

[ { date: 2014-12-24T00:00:00.000Z, grade: 'Z', score: 31 },

{ date: 2014-06-17T00:00:00.000Z, grade: 'C', score: 98 },

{ date: 2013-12-12T00:00:00.000Z, grade: 'C', score: 32 },

{ date: 2013-05-22T00:00:00.000Z, grade: 'B', score: 21 },

{ date: 2012-05-02T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Bella Napoli',

restaurant\_id: '40393488' }

1. Write a MongoDB query to find the restaurants that achieved a score, more than 80 but less than 100.

db.addresses.find({"grades.score":{$gt:80,$lt:100}})

{ \_id: ObjectId("617bd143bca94ace54c789bf"),

address:

{ building: '65',

coord: [ -73.9782725, 40.7624022 ],

street: 'West 54 Street',

zipcode: '10019' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-08-22T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2014-03-28T00:00:00.000Z, grade: 'C', score: 131 },

{ date: 2013-09-25T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-04-08T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2012-10-15T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-10-19T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Murals On 54/Randolphs\'S',

restaurant\_id: '40372466' }

{ \_id: ObjectId("617bd143bca94ace54c78a60"),

address:

{ building: '345',

coord: [ -73.9864626, 40.7266739 ],

street: 'East 6 Street',

zipcode: '10003' },

borough: 'Manhattan',

cuisine: 'Indian',

grades:

[ { date: 2014-09-15T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2014-01-14T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-05-30T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-04-24T00:00:00.000Z, grade: 'P', score: 2 },

{ date: 2012-10-01T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-04-06T00:00:00.000Z, grade: 'C', score: 92 },

{ date: 2011-11-03T00:00:00.000Z, grade: 'C', score: 41 } ],

name: 'Gandhi',

restaurant\_id: '40381295' }

{ \_id: ObjectId("617bd143bca94ace54c78bc3"),

address:

{ building: '130',

coord: [ -73.984758, 40.7457939 ],

street: 'Madison Avenue',

zipcode: '10016' },

borough: 'Manhattan',

cuisine: 'Pizza/Italian',

grades:

[ { date: 2014-12-24T00:00:00.000Z, grade: 'Z', score: 31 },

{ date: 2014-06-17T00:00:00.000Z, grade: 'C', score: 98 },

{ date: 2013-12-12T00:00:00.000Z, grade: 'C', score: 32 },

{ date: 2013-05-22T00:00:00.000Z, grade: 'B', score: 21 },

{ date: 2012-05-02T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Bella Napoli',

restaurant\_id: '40393488' }

{ \_id: ObjectId("617bd147bca94ace54c7942f"),

address:

{ building: '',

coord: [ -74.0163793, 40.7167671 ],

street: 'Hudson River',

zipcode: '10282' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-06-27T00:00:00.000Z, grade: 'C', score: 89 },

{ date: 2013-06-06T00:00:00.000Z, grade: 'A', score: 6 },

{ date: 2012-06-19T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'West 79Th Street Boat Basin Cafe',

restaurant\_id: '40756344' }

1. Write a MongoDB query to find the restaurants which locate in latitude value less than -95.754168.

db.addresses.find({"address.coord":{$lt:-95.754168}})

{ \_id: ObjectId("617bd145bca94ace54c78ea9"),

address:

{ building: '3707',

coord: [ -101.8945214, 33.5197474 ],

street: '82 Street',

zipcode: '11372' },

borough: 'Queens',

cuisine: 'American ',

grades:

[ { date: 2014-06-04T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-11-07T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2013-05-17T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-08-29T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-04-03T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-11-16T00:00:00.000Z, grade: 'A', score: 7 } ],

name: 'Burger King',

restaurant\_id: '40534067' }

{ \_id: ObjectId("617bd146bca94ace54c79214"),

address:

{ building: '15259',

coord: [ -119.6368672, 36.2504996 ],

street: '10 Avenue',

zipcode: '11357' },

borough: 'Queens',

cuisine: 'Italian',

grades:

[ { date: 2014-09-04T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2014-03-26T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-03-04T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-09-27T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-04-20T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2011-11-23T00:00:00.000Z, grade: 'C', score: 34 } ],

name: 'Cascarino\'S',

restaurant\_id: '40668681' }

{ \_id: ObjectId("617bd147bca94ace54c796ba"),

address:

{ building: '60',

coord: [ -111.9975205, 42.0970258 ],

street: 'West Side Highway',

zipcode: '10006' },

borough: 'Manhattan',

cuisine: 'Japanese',

grades:

[ { date: 2014-03-20T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-06-28T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-07-05T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-07-27T00:00:00.000Z, grade: 'A', score: 2 } ],

name: 'Sports Center At Chelsea Piers (Sushi Bar)',

restaurant\_id: '40882356' }

1. Write a MongoDB query to find the restaurants that do not prepare any cuisine of 'American' and their grade score more than 70 and latitude less than -65.754168.

db.addresses.find({$and:[{"cuisine":{$ne:"American "}},{"grades.score":{$gt:70}},{"address.coord":{$lt:-65.754168}}]})

{ \_id: ObjectId("617bd143bca94ace54c78a60"),

address:

{ building: '345',

coord: [ -73.9864626, 40.7266739 ],

street: 'East 6 Street',

zipcode: '10003' },

borough: 'Manhattan',

cuisine: 'Indian',

grades:

[ { date: 2014-09-15T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2014-01-14T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-05-30T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-04-24T00:00:00.000Z, grade: 'P', score: 2 },

{ date: 2012-10-01T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-04-06T00:00:00.000Z, grade: 'C', score: 92 },

{ date: 2011-11-03T00:00:00.000Z, grade: 'C', score: 41 } ],

name: 'Gandhi',

restaurant\_id: '40381295' }

{ \_id: ObjectId("617bd143bca94ace54c78bce"),

address:

{ building: '101',

coord: [ -73.9243061, 40.8276297 ],

street: 'East 161 Street',

zipcode: '10451' },

borough: 'Bronx',

cuisine: 'Latin (Cuban, Dominican, Puerto Rican, South & Central American)',

grades:

[ { date: 2014-04-10T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-10-01T00:00:00.000Z, grade: 'A', score: 6 },

{ date: 2013-04-11T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2012-10-25T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-10-10T00:00:00.000Z, grade: 'P', score: 12 },

{ date: 2012-05-25T00:00:00.000Z, grade: 'B', score: 14 },

{ date: 2011-09-14T00:00:00.000Z, grade: 'B', score: 26 },

{ date: 2011-04-25T00:00:00.000Z, grade: 'C', score: 76 } ],

name: 'El Molino Rojo Restaurant',

restaurant\_id: '40393688' }

{ \_id: ObjectId("617bd143bca94ace54c78bc3"),

address:

{ building: '130',

coord: [ -73.984758, 40.7457939 ],

street: 'Madison Avenue',

zipcode: '10016' },

borough: 'Manhattan',

cuisine: 'Pizza/Italian',

grades:

[ { date: 2014-12-24T00:00:00.000Z, grade: 'Z', score: 31 },

{ date: 2014-06-17T00:00:00.000Z, grade: 'C', score: 98 },

{ date: 2013-12-12T00:00:00.000Z, grade: 'C', score: 32 },

{ date: 2013-05-22T00:00:00.000Z, grade: 'B', score: 21 },

{ date: 2012-05-02T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Bella Napoli',

restaurant\_id: '40393488' }

{ \_id: ObjectId("617bd145bca94ace54c78d1e"),

address:

{ building: '289',

coord: [ -73.94610279999999, 40.7137587 ],

street: 'Manhattan Avenue',

zipcode: '11211' },

borough: 'Brooklyn',

cuisine: 'Bakery',

grades:

[ { date: 2014-03-19T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-10-10T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-05-07T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-09-11T00:00:00.000Z, grade: 'B', score: 18 },

{ date: 2012-04-18T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2011-09-27T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2011-05-03T00:00:00.000Z, grade: 'C', score: 77 } ],

name: 'Fortunato Bros Cafe & Bakery',

restaurant\_id: '40400561' }

{ \_id: ObjectId("617bd146bca94ace54c79348"),

address:

{ building: '231',

coord: [ -73.9772294, 40.7527262 ],

street: 'Grand Central Station',

zipcode: '10017' },

borough: 'Manhattan',

cuisine: 'Italian',

grades:

[ { date: 2015-01-07T00:00:00.000Z, grade: 'Z', score: 20 },

{ date: 2014-07-03T00:00:00.000Z, grade: 'B', score: 14 },

{ date: 2013-12-21T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-05-17T00:00:00.000Z, grade: 'C', score: 76 },

{ date: 2012-04-20T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'Two Boots Grand Central',

restaurant\_id: '40725591' }

1. Write a MongoDB query to find the restaurants which do not prepare any cuisine of 'American' and achieved a score more than 70 and located in the longitude less than -65.754168.

db.addresses.find({"cuisine":{$ne:"American "},"grades.score":{$gt:70},"address.coord":{$lt:-65.754168}})

{ \_id: ObjectId("617bd143bca94ace54c78a60"),

address:

{ building: '345',

coord: [ -73.9864626, 40.7266739 ],

street: 'East 6 Street',

zipcode: '10003' },

borough: 'Manhattan',

cuisine: 'Indian',

grades:

[ { date: 2014-09-15T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2014-01-14T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-05-30T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-04-24T00:00:00.000Z, grade: 'P', score: 2 },

{ date: 2012-10-01T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-04-06T00:00:00.000Z, grade: 'C', score: 92 },

{ date: 2011-11-03T00:00:00.000Z, grade: 'C', score: 41 } ],

name: 'Gandhi',

restaurant\_id: '40381295' }

{ \_id: ObjectId("617bd143bca94ace54c78bce"),

address:

{ building: '101',

coord: [ -73.9243061, 40.8276297 ],

street: 'East 161 Street',

zipcode: '10451' },

borough: 'Bronx',

cuisine: 'Latin (Cuban, Dominican, Puerto Rican, South & Central American)',

grades:

[ { date: 2014-04-10T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-10-01T00:00:00.000Z, grade: 'A', score: 6 },

{ date: 2013-04-11T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2012-10-25T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-10-10T00:00:00.000Z, grade: 'P', score: 12 },

{ date: 2012-05-25T00:00:00.000Z, grade: 'B', score: 14 },

{ date: 2011-09-14T00:00:00.000Z, grade: 'B', score: 26 },

{ date: 2011-04-25T00:00:00.000Z, grade: 'C', score: 76 } ],

name: 'El Molino Rojo Restaurant',

restaurant\_id: '40393688' }

{ \_id: ObjectId("617bd143bca94ace54c78bc3"),

address:

{ building: '130',

coord: [ -73.984758, 40.7457939 ],

street: 'Madison Avenue',

zipcode: '10016' },

borough: 'Manhattan',

cuisine: 'Pizza/Italian',

grades:

[ { date: 2014-12-24T00:00:00.000Z, grade: 'Z', score: 31 },

{ date: 2014-06-17T00:00:00.000Z, grade: 'C', score: 98 },

{ date: 2013-12-12T00:00:00.000Z, grade: 'C', score: 32 },

{ date: 2013-05-22T00:00:00.000Z, grade: 'B', score: 21 },

{ date: 2012-05-02T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Bella Napoli',

restaurant\_id: '40393488' }

{ \_id: ObjectId("617bd145bca94ace54c78d1e"),

address:

{ building: '289',

coord: [ -73.94610279999999, 40.7137587 ],

street: 'Manhattan Avenue',

zipcode: '11211' },

borough: 'Brooklyn',

cuisine: 'Bakery',

grades:

[ { date: 2014-03-19T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-10-10T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-05-07T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-09-11T00:00:00.000Z, grade: 'B', score: 18 },

{ date: 2012-04-18T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2011-09-27T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2011-05-03T00:00:00.000Z, grade: 'C', score: 77 } ],

name: 'Fortunato Bros Cafe & Bakery',

restaurant\_id: '40400561' }

{ \_id: ObjectId("617bd146bca94ace54c79348"),

address:

{ building: '231',

coord: [ -73.9772294, 40.7527262 ],

street: 'Grand Central Station',

zipcode: '10017' },

borough: 'Manhattan',

cuisine: 'Italian',

grades:

[ { date: 2015-01-07T00:00:00.000Z, grade: 'Z', score: 20 },

{ date: 2014-07-03T00:00:00.000Z, grade: 'B', score: 14 },

{ date: 2013-12-21T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-05-17T00:00:00.000Z, grade: 'C', score: 76 },

{ date: 2012-04-20T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'Two Boots Grand Central',

restaurant\_id: '40725591' }

1. Write a MongoDB query to find the restaurants which do not prepare any cuisine of 'American ' and achieved a grade point 'A' not belongs to the borough Brooklyn. The document must be displayed according to the cuisine in descending order.

db.addresses.find({"cuisine":{$ne:"American "},"grades.grade":"A","borough":{$ne:"Brooklyn"}}).sort({"cuisine":-1})

{ \_id: ObjectId("617bd145bca94ace54c79026"),

address:

{ building: '8278',

coord: [ -73.88143509999999, 40.7412552 ],

street: 'Broadway',

zipcode: '11373' },

borough: 'Queens',

cuisine: 'Vietnamese/Cambodian/Malaysia',

grades:

[ { date: 2014-06-12T00:00:00.000Z, grade: 'B', score: 21 },

{ date: 2013-05-20T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-12-26T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-12-03T00:00:00.000Z, grade: 'P', score: 5 },

{ date: 2012-05-04T00:00:00.000Z, grade: 'B', score: 27 } ],

name: 'Pho Bac Vietnamese Seafood Cuisine',

restaurant\_id: '40578058' }

{ \_id: ObjectId("617bd145bca94ace54c78f6d"),

address:

{ building: '89',

coord: [ -73.9995899, 40.7168015 ],

street: 'Baxter Street',

zipcode: '10013' },

borough: 'Manhattan',

cuisine: 'Vietnamese/Cambodian/Malaysia',

grades:

[ { date: 2014-08-21T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-08-31T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-04-11T00:00:00.000Z, grade: 'C', score: 3 },

{ date: 2012-10-17T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2012-05-15T00:00:00.000Z, grade: 'A', score: 10 } ],

name: 'Thai Son',

restaurant\_id: '40559606' }

{ \_id: ObjectId("617bd146bca94ace54c7940f"),

address:

{ building: '148',

coord: [ -74.000254, 40.7172727 ],

street: 'Centre Street',

zipcode: '10013' },

borough: 'Manhattan',

cuisine: 'Vietnamese/Cambodian/Malaysia',

grades:

[ { date: 2014-10-01T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-05-19T00:00:00.000Z, grade: 'C', score: 5 },

{ date: 2013-11-15T00:00:00.000Z, grade: 'B', score: 14 },

{ date: 2013-03-08T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2012-05-22T00:00:00.000Z, grade: 'B', score: 23 },

{ date: 2011-10-27T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Nha-Trang Centre Vietnam Restaurant',

restaurant\_id: '40751226' }

{ \_id: ObjectId("617bd143bca94ace54c78b11"),

address:

{ building: '300',

coord: [ -73.985568, 40.7307496 ],

street: 'East 12 Street',

zipcode: '10003' },

borough: 'Manhattan',

cuisine: 'Vegetarian',

grades:

[ { date: 2014-02-05T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-04-24T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2012-01-17T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-07-25T00:00:00.000Z, grade: 'A', score: 10 } ],

name: 'Angelica Kitchen',

restaurant\_id: '40388281' }

{ \_id: ObjectId("617bd145bca94ace54c78e2e"),

address:

{ building: '547',

coord: [ -92.7292446, 41.7461746 ],

street: '6 Avenue',

zipcode: '10011' },

borough: 'Manhattan',

cuisine: 'Vegetarian',

grades:

[ { date: 2014-09-26T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2014-04-07T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-10-03T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-09-10T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-04-30T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-11-30T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Village Yogurt',

restaurant\_id: '40512123' }

{ \_id: ObjectId("617bd145bca94ace54c78cc6"),

address:

{ building: '1307',

coord: [ -73.9589834, 40.77141839999999 ],

street: '3 Avenue',

zipcode: '10021' },

borough: 'Manhattan',

cuisine: 'Vegetarian',

grades:

[ { date: 2014-12-03T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2014-02-18T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2013-06-25T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-06-28T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'Candle Cafe',

restaurant\_id: '40399007' }

{ \_id: ObjectId("617bd145bca94ace54c78ece"),

address:

{ building: '46',

coord: [ -74.000252, 40.7356228 ],

street: 'Greenwich Avenue',

zipcode: '10011' },

borough: 'Manhattan',

cuisine: 'Vegetarian',

grades:

[ { date: 2014-07-01T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-12-31T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-05-24T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-10-11T00:00:00.000Z, grade: 'A', score: 6 } ],

name: 'Village Natural',

restaurant\_id: '40536786' }

{ \_id: ObjectId("617bd146bca94ace54c79195"),

address:

{ building: '646',

coord: [ -73.97279, 40.791289 ],

street: 'Amsterdam Avenue',

zipcode: '10025' },

borough: 'Manhattan',

cuisine: 'Vegetarian',

grades:

[ { date: 2014-02-19T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-11-29T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-10-03T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-04-11T00:00:00.000Z, grade: 'A', score: 7 } ],

name: 'Mana',

restaurant\_id: '40644922' }

{ \_id: ObjectId("617bd146bca94ace54c7916f"),

address:

{ building: '405',

coord: [ -73.98565239999999, 40.7263767 ],

street: 'East 6 Street',

zipcode: '10009' },

borough: 'Manhattan',

cuisine: 'Vegetarian',

grades:

[ { date: 2014-09-29T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2014-01-27T00:00:00.000Z, grade: 'B', score: 18 },

{ date: 2013-07-31T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-02-26T00:00:00.000Z, grade: 'B', score: 18 },

{ date: 2012-08-06T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-01-19T00:00:00.000Z, grade: 'B', score: 22 } ],

name: 'Caravan Of Dreams',

restaurant\_id: '40635781' }

{ \_id: ObjectId("617bd147bca94ace54c7961d"),

address:

{ building: '140',

coord: [ -74.0004534, 40.7311503 ],

street: 'West 4 Street',

zipcode: '10012' },

borough: 'Manhattan',

cuisine: 'Vegetarian',

grades:

[ { date: 2014-06-30T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-06-13T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-01-28T00:00:00.000Z, grade: 'C', score: 54 },

{ date: 2012-06-21T00:00:00.000Z, grade: 'A', score: 6 },

{ date: 2012-01-25T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Red Bamboo',

restaurant\_id: '40861201' }

{ \_id: ObjectId("617bd143bca94ace54c7887d"),

address:

{ building: '60',

coord: [ -74.0085357, 40.70620539999999 ],

street: 'Wall Street',

zipcode: '10005' },

borough: 'Manhattan',

cuisine: 'Turkish',

grades:

[ { date: 2014-09-26T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-09-18T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-09-21T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-05-09T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'The Country Cafe',

restaurant\_id: '40362715' }

{ \_id: ObjectId("617bd145bca94ace54c78cd8"),

address:

{ building: '386',

coord: [ -73.981366, 40.741888 ],

street: '3 Avenue',

zipcode: '10016' },

borough: 'Manhattan',

cuisine: 'Turkish',

grades:

[ { date: 2014-09-23T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-10-01T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-09-10T00:00:00.000Z, grade: 'A', score: 5 } ],

name: 'Turkish Kitchen',

restaurant\_id: '40399372' }

{ \_id: ObjectId("617bd145bca94ace54c78f68"),

address:

{ building: '1405',

coord: [ -73.95796530000001, 40.7697258 ],

street: 'Second Avenue',

zipcode: '10021' },

borough: 'Manhattan',

cuisine: 'Turkish',

grades:

[ { date: 2014-10-23T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2014-03-20T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-08-28T00:00:00.000Z, grade: 'B', score: 21 },

{ date: 2012-12-05T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-10-27T00:00:00.000Z, grade: 'A', score: 7 } ],

name: 'Uskudar Restaurant',

restaurant\_id: '40559172' }

{ \_id: ObjectId("617bd145bca94ace54c78f6c"),

address:

{ building: '64',

coord: [ -73.9788293, 40.7765158 ],

street: 'West 71 Street',

zipcode: '10023' },

borough: 'Manhattan',

cuisine: 'Turkish',

grades:

[ { date: 2014-09-04T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2014-02-07T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-04-18T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-07-25T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-02-01T00:00:00.000Z, grade: 'A', score: 7 } ],

name: 'Pasha Turkish Restaurant',

restaurant\_id: '40559546' }

{ \_id: ObjectId("617bd146bca94ace54c79211"),

address:

{ building: '631',

coord: [ -73.991755, 40.760138 ],

street: '9 Avenue',

zipcode: '10036' },

borough: 'Manhattan',

cuisine: 'Turkish',

grades:

[ { date: 2014-06-10T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-12-30T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-04-24T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-09-18T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-02-22T00:00:00.000Z, grade: 'B', score: 20 } ],

name: 'Turkish Cuisine',

restaurant\_id: '40668464' }

{ \_id: ObjectId("617bd146bca94ace54c79101"),

address:

{ building: '25505',

coord: [ -73.734503, 40.772264 ],

street: 'Northern Boulevard',

zipcode: '11362' },

borough: 'Queens',

cuisine: 'Turkish',

grades:

[ { date: 2014-12-29T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2014-04-24T00:00:00.000Z, grade: 'A', score: 3 },

{ date: 2013-09-25T00:00:00.000Z, grade: 'B', score: 17 },

{ date: 2013-02-20T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Kebab House',

restaurant\_id: '40608102' }

{ \_id: ObjectId("617bd146bca94ace54c793fb"),

address:

{ building: '2637',

coord: [ -73.970573, 40.797339 ],

street: 'Broadway',

zipcode: '10025' },

borough: 'Manhattan',

cuisine: 'Turkish',

grades:

[ { date: 2014-06-27T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-04-29T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-04-19T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-10-05T00:00:00.000Z, grade: 'B', score: 15 } ],

name: 'Turkuaz Turkish Cuisine',

restaurant\_id: '40749081' }

{ \_id: ObjectId("617bd147bca94ace54c79528"),

address:

{ building: '513',

coord: [ -73.978636, 40.74148 ],

street: '2 Avenue',

zipcode: '10016' },

borough: 'Manhattan',

cuisine: 'Turkish',

grades:

[ { date: 2014-10-22T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2014-05-08T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-11-19T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-04-03T00:00:00.000Z, grade: 'B', score: 26 },

{ date: 2012-02-21T00:00:00.000Z, grade: 'A', score: 4 } ],

name: 'Saharas Turkish Cuisine',

restaurant\_id: '40815015' }

{ \_id: ObjectId("617bd143bca94ace54c789e0"),

address:

{ building: '244',

coord: [ -73.9865289, 40.7606981 ],

street: 'West 48 Street',

zipcode: '10036' },

borough: 'Manhattan',

cuisine: 'Thai',

grades:

[ { date: 2014-08-13T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2014-01-14T00:00:00.000Z, grade: 'B', score: 24 },

{ date: 2013-07-25T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-01-10T00:00:00.000Z, grade: 'C', score: 4 },

{ date: 2012-06-18T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-02-17T00:00:00.000Z, grade: 'P', score: 6 } ],

name: 'Pongsri Thai Restaurant',

restaurant\_id: '40374088' }

{ \_id: ObjectId("617bd143bca94ace54c78ba8"),

address:

{ building: '396',

coord: [ -73.9809909, 40.7422324 ],

street: 'Third Avenue',

zipcode: '10016' },

borough: 'Manhattan',

cuisine: 'Thai',

grades:

[ { date: 2014-10-30T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2014-06-04T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-03-08T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-10-01T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Jaiya Thai Oriental Restaurant',

restaurant\_id: '40392724' }

Type "it" for more

1. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'Wil' as first three letters for its name.

db.addresses.find({name: /^Wil/},{"restaurant\_id":1,"name":1,"borough":1,"cuisine":1});

{ \_id: ObjectId("617bd143bca94ace54c78868"),

borough: 'Brooklyn',

cuisine: 'Delicatessen',

name: 'Wilken\'S Fine Food',

restaurant\_id: '40356483' }

{ \_id: ObjectId("617bd143bca94ace54c7886b"),

borough: 'Bronx',

cuisine: 'American ',

name: 'Wild Asia',

restaurant\_id: '40357217' }

{ \_id: ObjectId("617bd147bca94ace54c79670"),

borough: 'Bronx',

cuisine: 'Pizza',

name: 'Wilbel Pizza',

restaurant\_id: '40871979' }

1. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'ces' as last three letters for its name.

db.addresses.find({name: /ces$/},{"restaurant\_id":1,"name":1,"borough":1,"cuisine":1});

{ \_id: ObjectId("617bd145bca94ace54c78cf4"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Pieces',

restaurant\_id: '40399910' }

{ \_id: ObjectId("617bd145bca94ace54c78db9"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Good Shepherd Services',

restaurant\_id: '40403989' }

{ \_id: ObjectId("617bd145bca94ace54c78db3"),

borough: 'Queens',

cuisine: 'American ',

name: 'S.M.R Restaurant Services',

restaurant\_id: '40403857' }

{ \_id: ObjectId("617bd146bca94ace54c7926c"),

borough: 'Queens',

cuisine: 'Ice Cream, Gelato, Yogurt, Ices',

name: 'The Ice Box-Ralph\'S Famous Italian Ices',

restaurant\_id: '40690899' }

{ \_id: ObjectId("617bd147bca94ace54c7946e"),

borough: 'Brooklyn',

cuisine: 'Jewish/Kosher',

name: 'Alices',

restaurant\_id: '40782042' }

{ \_id: ObjectId("617bd147bca94ace54c7968a"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Re: Sources',

restaurant\_id: '40876068' }

1. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which contain 'Reg' as three letters somewhere in its name.

db.addresses.find({name: /.\*Reg.\*/},{"restaurant\_id":1,"name":1,"borough":1,"cuisine":1});

{ \_id: ObjectId("617bd143bca94ace54c78869"),

borough: 'Brooklyn',

cuisine: 'American ',

name: 'Regina Caterers',

restaurant\_id: '40356649' }

{ \_id: ObjectId("617bd143bca94ace54c78966"),

borough: 'Manhattan',

cuisine: 'Café/Coffee/Tea',

name: 'Caffe Reggio',

restaurant\_id: '40369418' }

{ \_id: ObjectId("617bd143bca94ace54c78a75"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Regency Hotel',

restaurant\_id: '40382679' }

{ \_id: ObjectId("617bd145bca94ace54c78d92"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Regency Whist Club',

restaurant\_id: '40402377' }

{ \_id: ObjectId("617bd145bca94ace54c78e75"),

borough: 'Queens',

cuisine: 'American ',

name: 'Rego Park Cafe',

restaurant\_id: '40523342' }

{ \_id: ObjectId("617bd147bca94ace54c794e3"),

borough: 'Queens',

cuisine: 'Pizza',

name: 'Regina Pizza',

restaurant\_id: '40801325' }

{ \_id: ObjectId("617bd147bca94ace54c796fa"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Regal Entertainment Group',

restaurant\_id: '40891782' }

1. Write a MongoDB query to find the restaurants which belong to the borough Bronx and prepared either American or Chinese dish.

db.addresses.find({"borough":"Bronx",$or:[{"cuisine":"American "},{"cuisine":"Chinese"}]})

{ \_id: ObjectId("617bd143bca94ace54c78905"),

address:

{ building: '21',

coord: [ -73.9168424, 40.8401362 ],

street: 'East 170 Street',

zipcode: '10452' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-12-16T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2014-08-12T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-03-03T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2013-08-29T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-08-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-02-13T00:00:00.000Z, grade: 'B', score: 16 } ],

name: 'Munchtime',

restaurant\_id: '40366748' }

{ \_id: ObjectId("617bd143bca94ace54c7898a"),

address:

{ building: '4272',

coord: [ -73.86720489999999, 40.8977501 ],

street: 'Katonah Avenue',

zipcode: '10470' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-05-23T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-11-04T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-04-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-09-24T00:00:00.000Z, grade: 'B', score: 15 } ],

name: 'John Mulligan\'S Fireside Pub',

restaurant\_id: '40370150' }

{ \_id: ObjectId("617bd143bca94ace54c7893a"),

address:

{ building: '2300',

coord: [ -73.8786113, 40.8502883 ],

street: 'Southern Boulevard',

zipcode: '10460' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-05-21T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2013-05-22T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-05-17T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-06-08T00:00:00.000Z, grade: 'A', score: 5 } ],

name: 'Cool Zone',

restaurant\_id: '40368022' }

{ \_id: ObjectId("617bd143bca94ace54c7896e"),

address:

{ building: '2375',

coord: [ -73.85534559999999, 40.8426433 ],

street: 'East Tremont Avenue',

zipcode: '10462' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-10-14T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2014-04-08T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-11-04T00:00:00.000Z, grade: 'C', score: 45 },

{ date: 2013-05-23T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-10-18T00:00:00.000Z, grade: 'B', score: 15 },

{ date: 2012-10-05T00:00:00.000Z, grade: 'P', score: 12 },

{ date: 2012-05-14T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-12-21T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Bronx Grill',

restaurant\_id: '40369601' }

{ \_id: ObjectId("617bd143bca94ace54c78884"),

address:

{ building: '1236',

coord: [ -73.8893654, 40.81376179999999 ],

street: '238 Spofford Ave',

zipcode: '10474' },

borough: 'Bronx',

cuisine: 'Chinese',

grades:

[ { date: 2013-12-30T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-01-08T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-06-12T00:00:00.000Z, grade: 'B', score: 15 } ],

name: 'Happy Garden',

restaurant\_id: '40363289' }

{ \_id: ObjectId("617bd143bca94ace54c788fa"),

address:

{ building: '5820',

coord: [ -73.9002615, 40.885186 ],

street: 'Broadway',

zipcode: '10463' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-02-26T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-10-09T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2013-05-15T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-11-20T00:00:00.000Z, grade: 'B', score: 18 },

{ date: 2011-10-17T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2011-06-22T00:00:00.000Z, grade: 'C', score: 35 } ],

name: 'The Punch Bowl',

restaurant\_id: '40366497' }

{ \_id: ObjectId("617bd143bca94ace54c7893b"),

address:

{ building: '2300',

coord: [ -73.8786113, 40.8502883 ],

street: 'Southern Boulevard',

zipcode: '10460' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-05-21T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-05-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-06-15T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2011-06-08T00:00:00.000Z, grade: 'A', score: 0 } ],

name: 'Beaver Pond',

restaurant\_id: '40368025' }

{ \_id: ObjectId("617bd143bca94ace54c788b6"),

address:

{ building: '2222',

coord: [ -73.84971759999999, 40.8304811 ],

street: 'Haviland Avenue',

zipcode: '10462' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-12-18T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-05-01T00:00:00.000Z, grade: 'B', score: 17 },

{ date: 2013-03-14T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-09-20T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-02-08T00:00:00.000Z, grade: 'B', score: 19 } ],

name: 'The New Starling Athletic Club Of The Bronx',

restaurant\_id: '40364956' }

{ \_id: ObjectId("617bd143bca94ace54c78896"),

address:

{ building: '277',

coord: [ -73.8941893, 40.8634684 ],

street: 'East Kingsbridge Road',

zipcode: '10458' },

borough: 'Bronx',

cuisine: 'Chinese',

grades:

[ { date: 2014-03-03T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-09-26T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-03-19T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-08-29T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-08-17T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Happy Garden',

restaurant\_id: '40364296' }

{ \_id: ObjectId("617bd143bca94ace54c7895c"),

address:

{ building: '3533',

coord: [ -73.9100082, 40.8863835 ],

street: 'Johnson Avenue',

zipcode: '10463' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-02-20T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-09-09T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-03-26T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-03-08T00:00:00.000Z, grade: 'P', score: 2 },

{ date: 2012-09-26T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-04-13T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-07-26T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-02-26T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Blue Bay Restaurant',

restaurant\_id: '40369087' }

{ \_id: ObjectId("617bd143bca94ace54c7893c"),

address:

{ building: '2300',

coord: [ -73.8786113, 40.8502883 ],

street: 'Southern Boulevard',

zipcode: '10460' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-05-21T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-05-28T00:00:00.000Z, grade: 'A', score: 3 },

{ date: 2012-06-18T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2011-06-07T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'African Market (Baboon Cafe)',

restaurant\_id: '40368026' }

{ \_id: ObjectId("617bd143bca94ace54c78980"),

address:

{ building: '170',

coord: [ -73.9035553, 40.878342 ],

street: 'West 231 Street',

zipcode: '10463' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-10-01T00:00:00.000Z, grade: 'B', score: 18 },

{ date: 2014-04-23T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-10-23T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-05-21T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2013-05-02T00:00:00.000Z, grade: 'P', score: 3 },

{ date: 2012-11-20T00:00:00.000Z, grade: 'B', score: 24 } ],

name: 'P & K\'S Grill',

restaurant\_id: '40369895' }

{ \_id: ObjectId("617bd143bca94ace54c7886b"),

address:

{ building: '2300',

coord: [ -73.8786113, 40.8502883 ],

street: 'Southern Boulevard',

zipcode: '10460' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-05-28T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-06-19T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2012-06-15T00:00:00.000Z, grade: 'A', score: 3 } ],

name: 'Wild Asia',

restaurant\_id: '40357217' }

{ \_id: ObjectId("617bd143bca94ace54c7889e"),

address:

{ building: '658',

coord: [ -73.81363999999999, 40.82941100000001 ],

street: 'Clarence Ave',

zipcode: '10465' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-06-21T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2012-07-11T00:00:00.000Z, grade: 'A', score: 10 } ],

name: 'Manhem Club',

restaurant\_id: '40364363' }

{ \_id: ObjectId("617bd143bca94ace54c789e4"),

address:

{ building: '2942',

coord: [ -73.832183, 40.84710099999999 ],

street: 'Westchester Avenue',

zipcode: '10461' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-02-10T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-09-18T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-04-17T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2012-10-15T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2011-10-17T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-07-14T00:00:00.000Z, grade: 'B', score: 18 } ],

name: 'Quality Cafe & Restaurant',

restaurant\_id: '40374259' }

{ \_id: ObjectId("617bd143bca94ace54c78a4e"),

address:

{ building: '3657',

coord: [ -73.901496, 40.885102 ],

street: 'Kingsbridge Avenue',

zipcode: '10463' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-09-25T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2014-04-30T00:00:00.000Z, grade: 'B', score: 20 },

{ date: 2013-08-19T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2013-03-06T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-01-26T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2011-10-19T00:00:00.000Z, grade: 'B', score: 18 } ],

name: 'Riverdale Diner',

restaurant\_id: '40380253' }

{ \_id: ObjectId("617bd143bca94ace54c788ce"),

address:

{ building: '72',

coord: [ -73.92506, 40.8275556 ],

street: 'East 161 Street',

zipcode: '10451' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-04-15T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-11-14T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2013-07-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-12-31T00:00:00.000Z, grade: 'B', score: 15 },

{ date: 2012-05-30T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-01-09T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2011-08-15T00:00:00.000Z, grade: 'C', score: 37 } ],

name: 'Yankee Tavern',

restaurant\_id: '40365499' }

{ \_id: ObjectId("617bd143bca94ace54c78912"),

address:

{ building: '2894',

coord: [ -73.815175, 40.8137649 ],

street: 'Schurz Ave',

zipcode: '10465' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-10-31T00:00:00.000Z, grade: 'B', score: 18 },

{ date: 2014-02-20T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2013-06-07T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-05-17T00:00:00.000Z, grade: 'A', score: 2 } ],

name: 'Marina Delray',

restaurant\_id: '40367161' }

{ \_id: ObjectId("617bd143bca94ace54c78b7c"),

address:

{ building: '2040',

coord: [ -73.843266, 40.854348 ],

street: 'Eastchester Road',

zipcode: '10461' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-11-13T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2014-04-14T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-02-11T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-02-07T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'Gleason\'S Cafe',

restaurant\_id: '40391375' }

{ \_id: ObjectId("617bd143bca94ace54c78abb"),

address:

{ building: '3371',

coord: [ -73.8462304, 40.8761099 ],

street: 'Eastchester Road',

zipcode: '10469' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-10-15T00:00:00.000Z, grade: 'B', score: 20 },

{ date: 2014-04-29T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-10-30T00:00:00.000Z, grade: 'B', score: 16 },

{ date: 2012-10-04T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-04-20T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Eastwood Manor',

restaurant\_id: '40385680' }

1. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which belong to the borough Staten Island or Queens or Bronxor Brooklyn.

db.addresses.find({"borough":{$in:["Staten Island","Queens","Bronx","Brooklyn"]}},{"restaurant\_id":1,"name":1,"borough":1,"cuisine":1})

{ \_id: ObjectId("617bd143bca94ace54c78865"),

borough: 'Queens',

cuisine: 'Jewish/Kosher',

name: 'Tov Kosher Kitchen',

restaurant\_id: '40356068' }

{ \_id: ObjectId("617bd143bca94ace54c7887c"),

borough: 'Queens',

cuisine: 'Chinese',

name: 'Ho Mei Restaurant',

restaurant\_id: '40362432' }

{ \_id: ObjectId("617bd143bca94ace54c7888f"),

borough: 'Staten Island',

cuisine: 'Ice Cream, Gelato, Yogurt, Ices',

name: 'Carvel Ice Cream',

restaurant\_id: '40363834' }

{ \_id: ObjectId("617bd143bca94ace54c788bd"),

borough: 'Staten Island',

cuisine: 'American ',

name: 'South Shore Swimming Club',

restaurant\_id: '40365120' }

{ \_id: ObjectId("617bd143bca94ace54c788dd"),

borough: 'Queens',

cuisine: 'Italian',

name: 'Parkside Restaurant',

restaurant\_id: '40365841' }

{ \_id: ObjectId("617bd143bca94ace54c788fb"),

borough: 'Queens',

cuisine: 'Chinese',

name: 'Jardin De China Rest',

restaurant\_id: '40366543' }

{ \_id: ObjectId("617bd143bca94ace54c78905"),

borough: 'Bronx',

cuisine: 'American ',

name: 'Munchtime',

restaurant\_id: '40366748' }

{ \_id: ObjectId("617bd143bca94ace54c78938"),

borough: 'Bronx',

cuisine: 'Café/Coffee/Tea',

name: 'Terrace Cafe',

restaurant\_id: '40368018' }

{ \_id: ObjectId("617bd143bca94ace54c78986"),

borough: 'Queens',

cuisine: 'American ',

name: 'The Dart Inn',

restaurant\_id: '40369983' }

{ \_id: ObjectId("617bd143bca94ace54c7898a"),

borough: 'Bronx',

cuisine: 'American ',

name: 'John Mulligan\'S Fireside Pub',

restaurant\_id: '40370150' }

{ \_id: ObjectId("617bd143bca94ace54c789ac"),

borough: 'Brooklyn',

cuisine: 'Jewish/Kosher',

name: 'Dairy Luncheonette',

restaurant\_id: '40371684' }

{ \_id: ObjectId("617bd143bca94ace54c789c3"),

borough: 'Queens',

cuisine: 'Hamburgers',

name: 'Burger King',

restaurant\_id: '40372618' }

{ \_id: ObjectId("617bd143bca94ace54c789f3"),

borough: 'Brooklyn',

cuisine: 'American ',

name: 'Turkey\'S Nest Tavern',

restaurant\_id: '40375108' }

{ \_id: ObjectId("617bd143bca94ace54c789fd"),

borough: 'Brooklyn',

cuisine: 'Italian',

name: 'Maria Ristorante',

restaurant\_id: '40375819' }

{ \_id: ObjectId("617bd143bca94ace54c78a09"),

borough: 'Queens',

cuisine: 'Italian',

name: 'Portofino',

restaurant\_id: '40376204' }

{ \_id: ObjectId("617bd143bca94ace54c78a34"),

borough: 'Queens',

cuisine: 'American ',

name: 'Fame Diner',

restaurant\_id: '40378774' }

{ \_id: ObjectId("617bd143bca94ace54c78a37"),

borough: 'Brooklyn',

cuisine: 'Jewish/Kosher',

name: 'Kosher Hut Of Brooklyn',

restaurant\_id: '40378827' }

{ \_id: ObjectId("617bd143bca94ace54c78a4b"),

borough: 'Brooklyn',

cuisine: 'American ',

name: 'Rex Manor',

restaurant\_id: '40380044' }

{ \_id: ObjectId("617bd143bca94ace54c788b1"),

borough: 'Queens',

cuisine: 'Pizza/Italian',

name: 'New Park Pizzeria & Restaurant',

restaurant\_id: '40364744' }

{ \_id: ObjectId("617bd143bca94ace54c788d8"),

borough: 'Staten Island',

cuisine: 'American ',

name: 'Joyce\'S Tavern',

restaurant\_id: '40365692' }

1. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which are not belonging to the borough Staten Island or Queens or Bronxor Brooklyn.

db.addresses.find({"borough":{$nin:["Staten Island","Queens","Bronx","Brooklyn"]}},{"restaurant\_id":1,"name":1,"borough":1,"cuisine":1})

{ \_id: ObjectId("617bd143bca94ace54c7887f"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Downtown Deli',

restaurant\_id: '40363021' }

{ \_id: ObjectId("617bd143bca94ace54c7887a"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Angelika Film Center',

restaurant\_id: '40362274' }

{ \_id: ObjectId("617bd143bca94ace54c78873"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Glorious Food',

restaurant\_id: '40361521' }

{ \_id: ObjectId("617bd143bca94ace54c78879"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'P & S Deli Grocery',

restaurant\_id: '40362264' }

{ \_id: ObjectId("617bd143bca94ace54c7887d"),

borough: 'Manhattan',

cuisine: 'Turkish',

name: 'The Country Cafe',

restaurant\_id: '40362715' }

{ \_id: ObjectId("617bd143bca94ace54c78927"),

borough: 'Manhattan',

cuisine: 'Spanish',

name: 'Malaga Restaurant',

restaurant\_id: '40367544' }

{ \_id: ObjectId("617bd143bca94ace54c7895d"),

borough: 'Manhattan',

cuisine: 'Japanese',

name: 'Nada-Sushi',

restaurant\_id: '40369097' }

{ \_id: ObjectId("617bd143bca94ace54c78978"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Viand Cafe',

restaurant\_id: '40369753' }

{ \_id: ObjectId("617bd143bca94ace54c7899a"),

borough: 'Manhattan',

cuisine: 'Spanish',

name: 'Cafe Espanol',

restaurant\_id: '40370759' }

{ \_id: ObjectId("617bd143bca94ace54c789ba"),

borough: 'Manhattan',

cuisine: 'Italian',

name: 'Don Filippo Restaurant',

restaurant\_id: '40372417' }

{ \_id: ObjectId("617bd143bca94ace54c789ea"),

borough: 'Manhattan',

cuisine: 'Japanese',

name: 'Omen Japanese Cuisine',

restaurant\_id: '40374415' }

{ \_id: ObjectId("617bd143bca94ace54c78a2f"),

borough: 'Manhattan',

cuisine: 'Italian',

name: 'Il Cantinori Restauraunt',

restaurant\_id: '40378571' }

{ \_id: ObjectId("617bd143bca94ace54c78883"),

borough: 'Manhattan',

cuisine: 'Bakery',

name: 'Olive\'S',

restaurant\_id: '40363151' }

{ \_id: ObjectId("617bd143bca94ace54c788a3"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Criminal Court Bldg Cafeteria',

restaurant\_id: '40364443' }

{ \_id: ObjectId("617bd143bca94ace54c788c7"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'The Princeton Club',

restaurant\_id: '40365361' }

{ \_id: ObjectId("617bd143bca94ace54c7892d"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Griffis Faculty Club',

restaurant\_id: '40367752' }

{ \_id: ObjectId("617bd143bca94ace54c78957"),

borough: 'Manhattan',

cuisine: 'French',

name: 'La Mangeoire',

restaurant\_id: '40368971' }

{ \_id: ObjectId("617bd143bca94ace54c78959"),

borough: 'Manhattan',

cuisine: 'Greek',

name: 'Viand Coffee Shop',

restaurant\_id: '40369016' }

{ \_id: ObjectId("617bd143bca94ace54c78969"),

borough: 'Manhattan',

cuisine: 'Japanese',

name: 'Dan Tempura',

restaurant\_id: '40369495' }

{ \_id: ObjectId("617bd143bca94ace54c78989"),

borough: 'Manhattan',

cuisine: 'Hamburgers',

name: 'Mcdonald\'S',

restaurant\_id: '40370146' }

1. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which achieved a score which is not more than 10.

db.addresses.find({"grades.score":{$not:{$gt:10}}},{"restaurant\_id":1,"name":1,"borough":1,"cuisine":1})

{ \_id: ObjectId("617bd143bca94ace54c78938"),

borough: 'Bronx',

cuisine: 'Café/Coffee/Tea',

name: 'Terrace Cafe',

restaurant\_id: '40368018' }

{ \_id: ObjectId("617bd143bca94ace54c78a2f"),

borough: 'Manhattan',

cuisine: 'Italian',

name: 'Il Cantinori Restauraunt',

restaurant\_id: '40378571' }

{ \_id: ObjectId("617bd143bca94ace54c7893d"),

borough: 'Staten Island',

cuisine: 'Italian',

name: 'Roadhouse Restaurant',

restaurant\_id: '40368034' }

{ \_id: ObjectId("617bd143bca94ace54c78989"),

borough: 'Manhattan',

cuisine: 'Hamburgers',

name: 'Mcdonald\'S',

restaurant\_id: '40370146' }

{ \_id: ObjectId("617bd143bca94ace54c789cb"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Astro Restaurant',

restaurant\_id: '40373113' }

{ \_id: ObjectId("617bd143bca94ace54c78a00"),

borough: 'Brooklyn',

cuisine: 'Italian',

name: 'Villa Fiorita',

restaurant\_id: '40375929' }

{ \_id: ObjectId("617bd143bca94ace54c7895f"),

borough: 'Manhattan',

cuisine: 'French',

name: 'Pergola Des Artistes',

restaurant\_id: '40369139' }

{ \_id: ObjectId("617bd143bca94ace54c78a2e"),

borough: 'Queens',

cuisine: 'American ',

name: 'Port O\' Calls',

restaurant\_id: '40378534' }

{ \_id: ObjectId("617bd143bca94ace54c78a51"),

borough: 'Manhattan',

cuisine: 'Mexican',

name: 'Arriba Arriba',

restaurant\_id: '40380457' }

{ \_id: ObjectId("617bd143bca94ace54c7886c"),

borough: 'Brooklyn',

cuisine: 'American ',

name: 'C & C Catering Service',

restaurant\_id: '40357437' }

{ \_id: ObjectId("617bd143bca94ace54c7887b"),

borough: 'Brooklyn',

cuisine: 'Hamburgers',

name: 'White Castle',

restaurant\_id: '40362344' }

{ \_id: ObjectId("617bd143bca94ace54c788b3"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Serendipity 3',

restaurant\_id: '40364863' }

{ \_id: ObjectId("617bd143bca94ace54c7899d"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Olive Tree Cafe & Comedy Cellar',

restaurant\_id: '40370856' }

{ \_id: ObjectId("617bd143bca94ace54c7896b"),

borough: 'Brooklyn',

cuisine: 'Hamburgers',

name: 'Mcdonald\'S',

restaurant\_id: '40369535' }

{ \_id: ObjectId("617bd143bca94ace54c789c9"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'Racquet & Tennis Club',

restaurant\_id: '40372971' }

{ \_id: ObjectId("617bd143bca94ace54c7886e"),

borough: 'Manhattan',

cuisine: 'American ',

name: '1 East 66Th Street Kitchen',

restaurant\_id: '40359480' }

{ \_id: ObjectId("617bd143bca94ace54c78939"),

borough: 'Bronx',

cuisine: 'African',

name: 'African Terrace',

restaurant\_id: '40368021' }

{ \_id: ObjectId("617bd143bca94ace54c788b7"),

borough: 'Manhattan',

cuisine: 'American ',

name: 'White Horse Tavern',

restaurant\_id: '40364958' }

{ \_id: ObjectId("617bd143bca94ace54c78911"),

borough: 'Manhattan',

cuisine: 'Mexican',

name: 'Mexico Lindo Restaurant',

restaurant\_id: '40367038' }

{ \_id: ObjectId("617bd143bca94ace54c78931"),

borough: 'Brooklyn',

cuisine: 'Greek',

name: 'El Greco Diner',

restaurant\_id: '40367795' }

1. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which prepared dish except 'American' and 'Chinees' or restaurant's name begins with letter 'Wil'.

db.addresses.find({$or:[{name:/^Will/},{"$and":[{"cuisine":{$ne:"American "}},{"cuisine":{$ne:"Chinees"}}]}]},{"restaurant\_id":1,"name":1,"borough":1,"cuisine":1})

{ \_id: ObjectId("617bd143bca94ace54c78865"),

borough: 'Queens',

cuisine: 'Jewish/Kosher',

name: 'Tov Kosher Kitchen',

restaurant\_id: '40356068' }

{ \_id: ObjectId("617bd143bca94ace54c7887c"),

borough: 'Queens',

cuisine: 'Chinese',

name: 'Ho Mei Restaurant',

restaurant\_id: '40362432' }

{ \_id: ObjectId("617bd143bca94ace54c7887d"),

borough: 'Manhattan',

cuisine: 'Turkish',

name: 'The Country Cafe',

restaurant\_id: '40362715' }

{ \_id: ObjectId("617bd143bca94ace54c7888f"),

borough: 'Staten Island',

cuisine: 'Ice Cream, Gelato, Yogurt, Ices',

name: 'Carvel Ice Cream',

restaurant\_id: '40363834' }

{ \_id: ObjectId("617bd143bca94ace54c788dd"),

borough: 'Queens',

cuisine: 'Italian',

name: 'Parkside Restaurant',

restaurant\_id: '40365841' }

{ \_id: ObjectId("617bd143bca94ace54c788fb"),

borough: 'Queens',

cuisine: 'Chinese',

name: 'Jardin De China Rest',

restaurant\_id: '40366543' }

{ \_id: ObjectId("617bd143bca94ace54c78927"),

borough: 'Manhattan',

cuisine: 'Spanish',

name: 'Malaga Restaurant',

restaurant\_id: '40367544' }

{ \_id: ObjectId("617bd143bca94ace54c78938"),

borough: 'Bronx',

cuisine: 'Café/Coffee/Tea',

name: 'Terrace Cafe',

restaurant\_id: '40368018' }

{ \_id: ObjectId("617bd143bca94ace54c7895d"),

borough: 'Manhattan',

cuisine: 'Japanese',

name: 'Nada-Sushi',

restaurant\_id: '40369097' }

{ \_id: ObjectId("617bd143bca94ace54c7899a"),

borough: 'Manhattan',

cuisine: 'Spanish',

name: 'Cafe Espanol',

restaurant\_id: '40370759' }

{ \_id: ObjectId("617bd143bca94ace54c789ac"),

borough: 'Brooklyn',

cuisine: 'Jewish/Kosher',

name: 'Dairy Luncheonette',

restaurant\_id: '40371684' }

{ \_id: ObjectId("617bd143bca94ace54c789ba"),

borough: 'Manhattan',

cuisine: 'Italian',

name: 'Don Filippo Restaurant',

restaurant\_id: '40372417' }

{ \_id: ObjectId("617bd143bca94ace54c789c3"),

borough: 'Queens',

cuisine: 'Hamburgers',

name: 'Burger King',

restaurant\_id: '40372618' }

{ \_id: ObjectId("617bd143bca94ace54c789ea"),

borough: 'Manhattan',

cuisine: 'Japanese',

name: 'Omen Japanese Cuisine',

restaurant\_id: '40374415' }

{ \_id: ObjectId("617bd143bca94ace54c789fd"),

borough: 'Brooklyn',

cuisine: 'Italian',

name: 'Maria Ristorante',

restaurant\_id: '40375819' }

{ \_id: ObjectId("617bd143bca94ace54c78a09"),

borough: 'Queens',

cuisine: 'Italian',

name: 'Portofino',

restaurant\_id: '40376204' }

{ \_id: ObjectId("617bd143bca94ace54c78a2f"),

borough: 'Manhattan',

cuisine: 'Italian',

name: 'Il Cantinori Restauraunt',

restaurant\_id: '40378571' }

{ \_id: ObjectId("617bd143bca94ace54c78a37"),

borough: 'Brooklyn',

cuisine: 'Jewish/Kosher',

name: 'Kosher Hut Of Brooklyn',

restaurant\_id: '40378827' }

{ \_id: ObjectId("617bd143bca94ace54c78883"),

borough: 'Manhattan',

cuisine: 'Bakery',

name: 'Olive\'S',

restaurant\_id: '40363151' }

{ \_id: ObjectId("617bd143bca94ace54c788b1"),

borough: 'Queens',

cuisine: 'Pizza/Italian',

name: 'New Park Pizzeria & Restaurant',

restaurant\_id: '40364744' }

1. Write a MongoDB query to find the restaurant Id, name, and grades for those restaurants which achieved a grade of "A" and scored 11 on an ISODate "2014-08-11T00:00:00Z" among many of survey dates..

db.addresses.find({"grades.date":ISODate("2014-08-11T00:00:00Z"),"grades.grade":"A","grades.score":11},{"restaurant\_id":1,"name":1,"grades":1})

{ \_id: ObjectId("617bd143bca94ace54c789ba"),

grades:

[ { date: 2014-08-11T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-12-10T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-06-10T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-06-08T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-01-25T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2011-09-13T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'Don Filippo Restaurant',

restaurant\_id: '40372417' }

{ \_id: ObjectId("617bd143bca94ace54c788df"),

grades:

[ { date: 2014-08-11T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-07-22T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-03-14T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-07-02T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-02-02T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2011-08-24T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Neary\'S Pub',

restaurant\_id: '40365871' }

{ \_id: ObjectId("617bd145bca94ace54c78c80"),

grades:

[ { date: 2014-08-11T00:00:00.000Z, grade: 'A', score: 6 },

{ date: 2013-08-29T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-04-25T00:00:00.000Z, grade: 'C', score: 2 },

{ date: 2012-10-23T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-04-16T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-11-15T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'Mustang Sally\'S Restaurant',

restaurant\_id: '40397374' }

{ \_id: ObjectId("617bd145bca94ace54c78e8c"),

grades:

[ { date: 2015-01-12T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2014-08-11T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2014-01-14T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-02-07T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-04-30T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Club Macanudo (Cigar Bar)',

restaurant\_id: '40526406' }

{ \_id: ObjectId("617bd145bca94ace54c78f81"),

grades:

[ { date: 2014-08-11T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2014-01-09T00:00:00.000Z, grade: 'B', score: 27 },

{ date: 2013-06-11T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2012-10-09T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2012-05-10T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-11-23T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Marino\'S Pizza & Restaurant',

restaurant\_id: '40560917' }

{ \_id: ObjectId("617bd146bca94ace54c79129"),

grades:

[ { date: 2015-01-05T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2014-08-11T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2014-03-04T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2013-09-13T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-01-16T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Gene\'S Coffee Shop',

restaurant\_id: '40614916' }

{ \_id: ObjectId("617bd146bca94ace54c79297"),

grades:

[ { date: 2014-08-11T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2014-02-20T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-08-29T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-03-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-03-07T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-11-18T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-10-12T00:00:00.000Z, grade: 'P', score: 4 } ],

name: 'Union Cafe Restaurant',

restaurant\_id: '40698823' }

{ \_id: ObjectId("617bd147bca94ace54c79704"),

grades:

[ { date: 2014-08-11T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-08-28T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-09-05T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-08-25T00:00:00.000Z, grade: 'A', score: 7 } ],

name: 'Jojo\'S Pizza',

restaurant\_id: '40892913' }

1. Write a MongoDB query to find the restaurant Id, name and grades for those restaurants where the 2nd element of grades array contains a grade of "A" and score 9 on an ISODate "2014-08-11T00:00:00Z"

db.addresses.find({"grades.1.date":ISODate("2014-08-11T00:00:00Z"),"grades.1.grade":"A","grades.1.score":9},{"restaurant\_id":1,"name":1,"grades":1})

{ \_id: ObjectId("617bd145bca94ace54c78e8c"),

grades:

[ { date: 2015-01-12T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2014-08-11T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2014-01-14T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-02-07T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-04-30T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Club Macanudo (Cigar Bar)',

restaurant\_id: '40526406' }

1. Write a MongoDB query to find the restaurant Id, name, address and geographical location for those restaurants where 2nd element of coord array contains a value which is more than 42 and upto 52..

db.addresses.find({"address.coord.1":{$gt:42,$lte:52}},{"restaurant\_id":1,"name":1,"address":1,"coord":1})

{ \_id: ObjectId("617bd143bca94ace54c78b03"),

address:

{ building: '47',

coord: [ -78.877224, 42.89546199999999 ],

street: 'Broadway @ Trinity Pl',

zipcode: '10006' },

name: 'T.G.I. Friday\'S',

restaurant\_id: '40387990' }

{ \_id: ObjectId("617bd143bca94ace54c78b2f"),

address:

{ building: '1',

coord: [ -0.7119979, 51.6514664 ],

street: 'Pennplaza E, Penn Sta',

zipcode: '10001' },

name: 'T.G.I. Fridays',

restaurant\_id: '40388936' }

{ \_id: ObjectId("617bd145bca94ace54c78d88"),

address:

{ building: '3000',

coord: [ -87.86567699999999, 42.61150920000001 ],

street: '47 Avenue',

zipcode: '11101' },

name: 'Di Luvio\'S Deli',

restaurant\_id: '40402284' }

{ \_id: ObjectId("617bd145bca94ace54c78fbd"),

address:

{ building: '21972199',

coord: [ -78.589606, 42.8912372 ],

street: 'Broadway',

zipcode: '10024' },

name: 'La Caridad 78',

restaurant\_id: '40568285' }

{ \_id: ObjectId("617bd147bca94ace54c796a4"),

address:

{ building: '0',

coord: [ -88.0778799, 42.4154769 ],

street: '& Grand Central',

zipcode: '10017' },

name: 'Hyatt, Ny Central/Room Service',

restaurant\_id: '40879243' }

{ \_id: ObjectId("617bd147bca94ace54c7968f"),

address:

{ building: '7981',

coord: [ -84.9751215, 45.4713351 ],

street: 'Hoyt Street',

zipcode: '11201' },

name: 'Bijan\'S',

restaurant\_id: '40876618' }

{ \_id: ObjectId("617bd147bca94ace54c796ba"),

address:

{ building: '60',

coord: [ -111.9975205, 42.0970258 ],

street: 'West Side Highway',

zipcode: '10006' },

name: 'Sports Center At Chelsea Piers (Sushi Bar)',

restaurant\_id: '40882356' }

1. Write a MongoDB query to arrange the name of the restaurants in ascending order along with all the columns.

db.addresses.find().sort({"name":1})

{ \_id: ObjectId("617bd147bca94ace54c794f1"),

address:

{ building: '129',

coord: [ -73.962943, 40.685007 ],

street: 'Gates Avenue',

zipcode: '11238' },

borough: 'Brooklyn',

cuisine: 'Italian',

grades:

[ { date: 2014-03-06T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-08-29T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2013-03-08T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-06-27T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2011-11-17T00:00:00.000Z, grade: 'A', score: 12 } ],

name: '(Lewis Drug Store) Locanda Vini E Olii',

restaurant\_id: '40804423' }

{ \_id: ObjectId("617bd143bca94ace54c7886e"),

address:

{ building: '1',

coord: [ -73.96926909999999, 40.7685235 ],

street: 'East 66 Street',

zipcode: '10065' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-05-07T00:00:00.000Z, grade: 'A', score: 3 },

{ date: 2013-05-03T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2012-04-30T00:00:00.000Z, grade: 'A', score: 6 },

{ date: 2011-12-27T00:00:00.000Z, grade: 'A', score: 0 } ],

name: '1 East 66Th Street Kitchen',

restaurant\_id: '40359480' }

{ \_id: ObjectId("617bd146bca94ace54c79080"),

address:

{ building: '10016',

coord: [ -73.8216636, 40.5838155 ],

street: 'Rockaway Beach Boulevard',

zipcode: '11694' },

borough: 'Queens',

cuisine: 'Delicatessen',

grades:

[ { date: 2014-01-28T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-08-20T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-03-19T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-03-06T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2011-03-01T00:00:00.000Z, grade: 'A', score: 12 } ],

name: '101 Deli',

restaurant\_id: '40591271' }

{ \_id: ObjectId("617bd145bca94ace54c78f74"),

address:

{ building: '10018',

coord: [ -74.0343092, 40.6125569 ],

street: '4 Avenue',

zipcode: '11209' },

borough: 'Brooklyn',

cuisine: 'Italian',

grades:

[ { date: 2014-12-01T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-11-29T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-06-03T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-06-05T00:00:00.000Z, grade: 'B', score: 15 },

{ date: 2012-01-10T00:00:00.000Z, grade: 'A', score: 10 } ],

name: '101 Restaurant And Bar',

restaurant\_id: '40560108' }

{ \_id: ObjectId("617bd145bca94ace54c78d41"),

address:

{ building: '1020',

coord: [ -73.96396419999999, 40.8032642 ],

street: 'Amsterdam Avenue',

zipcode: '10025' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-06-26T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-06-19T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-12-27T00:00:00.000Z, grade: 'C', score: 38 } ],

name: '1020 Bar',

restaurant\_id: '40401104' }

{ \_id: ObjectId("617bd146bca94ace54c7917b"),

address:

{ building: '10401',

coord: [ -73.9004264, 40.6520939 ],

street: 'Foster Avenue',

zipcode: '11236' },

borough: 'Brooklyn',

cuisine: 'Café/Coffee/Tea',

grades:

[ { date: 2014-12-08T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2014-04-08T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2013-03-07T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-10-04T00:00:00.000Z, grade: 'A', score: 8 } ],

name: '104-01 Foster Avenue Coffee Shop(Ups)',

restaurant\_id: '40639261' }

{ \_id: ObjectId("617bd146bca94ace54c79227"),

address:

{ building: '256',

coord: [ -73.998993, 40.74718060000001 ],

street: '10Th Ave Bet 24 & 25 St )',

zipcode: '10001' },

borough: 'Manhattan',

cuisine: 'Pizza',

grades:

[ { date: 2014-11-10T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-10-21T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-05-31T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-12-14T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-07-09T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-02-03T00:00:00.000Z, grade: 'A', score: 9 } ],

name: '10Th Avenue Pizza & Cafe',

restaurant\_id: '40673117' }

{ \_id: ObjectId("617bd147bca94ace54c796c9"),

address:

{ building: '0',

coord: [ -73.7889689, 40.6433507 ],

street: 'Central Taxi Hold',

zipcode: '11430' },

borough: 'Queens',

cuisine: 'American ',

grades:

[ { date: 2014-03-06T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-09-18T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-08-21T00:00:00.000Z, grade: 'A', score: 3 },

{ date: 2012-02-06T00:00:00.000Z, grade: 'B', score: 15 } ],

name: '111 Restaurant',

restaurant\_id: '40884354' }

{ \_id: ObjectId("617bd146bca94ace54c79299"),

address:

{ building: '15',

coord: [ -73.9921155, 40.7364657 ],

street: 'East 15 Street',

zipcode: '10003' },

borough: 'Manhattan',

cuisine: 'Japanese',

grades:

[ { date: 2014-06-28T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-10-22T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-03-22T00:00:00.000Z, grade: 'C', score: 64 },

{ date: 2012-07-05T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-02-03T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-06-30T00:00:00.000Z, grade: 'A', score: 10 } ],

name: '15 East Restaurant',

restaurant\_id: '40698892' }

{ \_id: ObjectId("617bd143bca94ace54c78ab4"),

address:

{ building: '200',

coord: [ -73.9804898, 40.6768216 ],

street: '5 Avenue',

zipcode: '11217' },

borough: 'Brooklyn',

cuisine: 'American ',

grades:

[ { date: 2014-07-03T00:00:00.000Z, grade: 'B', score: 26 },

{ date: 2013-10-30T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-03-21T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-08-07T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-03-09T00:00:00.000Z, grade: 'C', score: 42 },

{ date: 2011-10-13T00:00:00.000Z, grade: 'A', score: 13 } ],

name: '200 Fifth Avenue Restaurant & Sports Bar',

restaurant\_id: '40385555' }

{ \_id: ObjectId("617bd143bca94ace54c7889d"),

address:

{ building: '21',

coord: [ -73.9774394, 40.7604522 ],

street: 'West 52 Street',

zipcode: '10019' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-05-14T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-08-13T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-04-04T00:00:00.000Z, grade: 'A', score: 12 } ],

name: '21 Club',

restaurant\_id: '40364362' }

{ \_id: ObjectId("617bd143bca94ace54c78b25"),

address:

{ building: '25',

coord: [ -73.9860427, 40.7229989 ],

street: 'Avenue A',

zipcode: '10009' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2013-10-29T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-10-27T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2011-10-18T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2011-06-23T00:00:00.000Z, grade: 'A', score: 7 } ],

name: '2A',

restaurant\_id: '40388784' }

{ \_id: ObjectId("617bd146bca94ace54c7908d"),

address:

{ building: '133',

coord: [ -73.9702969, 40.75983919999999 ],

street: 'East 55 Street',

zipcode: '10022' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-04-03T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-03-27T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-10-17T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2012-04-27T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-12-06T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2011-07-18T00:00:00.000Z, grade: 'A', score: 12 } ],

name: '3 Deli & Grill',

restaurant\_id: '40592296' }

{ \_id: ObjectId("617bd143bca94ace54c78b7a"),

address:

{ building: '1381',

coord: [ -73.9538783, 40.787312 ],

street: 'Madison Avenue',

zipcode: '10029' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-08-21T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2014-04-18T00:00:00.000Z, grade: 'B', score: 26 },

{ date: 2013-03-12T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-10-11T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-05-10T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2011-12-15T00:00:00.000Z, grade: 'A', score: 12 } ],

name: '3 Guys',

restaurant\_id: '40391339' }

{ \_id: ObjectId("617bd146bca94ace54c79180"),

address:

{ building: '1232',

coord: [ -73.957787, 40.782685 ],

street: 'Madison Avenue',

zipcode: '10128' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-11-18T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-11-07T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-05-29T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-12-17T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-06-21T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-02-01T00:00:00.000Z, grade: 'A', score: 9 } ],

name: '3 Guys Resturant',

restaurant\_id: '40640495' }

{ \_id: ObjectId("617bd146bca94ace54c790f2"),

address:

{ building: '647',

coord: [ -74.0001028, 40.7619413 ],

street: 'West 42 Street',

zipcode: '10036' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-11-24T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2014-06-04T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-11-20T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-03-20T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2011-12-22T00:00:00.000Z, grade: 'A', score: 10 } ],

name: '42Nd Street Pizza Diner',

restaurant\_id: '40605319' }

{ \_id: ObjectId("617bd147bca94ace54c7950a"),

address:

{ building: '622',

coord: [ -73.9942049, 40.7610193 ],

street: '10 Avenue',

zipcode: '10036' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-12-22T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2014-06-19T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-11-26T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-06-08T00:00:00.000Z, grade: 'A', score: 3 },

{ date: 2012-10-24T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-04-18T00:00:00.000Z, grade: 'A', score: 13 } ],

name: '44 & X Hell\'S Kitchen',

restaurant\_id: '40809948' }

{ \_id: ObjectId("617bd146bca94ace54c79296"),

address:

{ building: '621',

coord: [ -73.992069, 40.759761 ],

street: '9 Avenue',

zipcode: '10036' },

borough: 'Manhattan',

cuisine: 'Italian',

grades:

[ { date: 2014-04-30T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-11-19T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-03-04T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2012-07-21T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2011-11-14T00:00:00.000Z, grade: 'B', score: 16 } ],

name: '44 Sw Ristorante & Bar',

restaurant\_id: '40698807' }

{ \_id: ObjectId("617bd143bca94ace54c78b4e"),

address:

{ building: '7205',

coord: [ -73.8424017, 40.7194513 ],

street: 'Austin Street',

zipcode: '11375' },

borough: 'Queens',

cuisine: 'Mexican',

grades:

[ { date: 2014-03-04T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-02-25T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2011-12-08T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2011-05-23T00:00:00.000Z, grade: 'B', score: 18 } ],

name: '5 Burro Cafe',

restaurant\_id: '40390163' }

{ \_id: ObjectId("617bd147bca94ace54c794f7"),

address:

{ building: '525',

coord: [ -73.9728136, 40.75546629999999 ],

street: 'Lexington Ave',

zipcode: '10017' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-07-22T00:00:00.000Z, grade: 'C', score: 41 },

{ date: 2014-01-24T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-05-15T00:00:00.000Z, grade: 'B', score: 24 },

{ date: 2012-09-12T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-04-12T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-10-24T00:00:00.000Z, grade: 'C', score: 33 } ],

name: '525 Lex Restaurant & Bar',

restaurant\_id: '40806489' }

1. Write a MongoDB query to arrange the name of the restaurants in descending along with all the columns.

db.addresses.find().sort({"name":-1})

{ \_id: ObjectId("617bd143bca94ace54c78920"),

address:

{ building: '6946',

coord: [ -73.8811834, 40.7017759 ],

street: 'Myrtle Avenue',

zipcode: '11385' },

borough: 'Queens',

cuisine: 'German',

grades:

[ { date: 2014-09-24T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2014-04-17T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-03-12T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-10-02T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-05-09T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-12-28T00:00:00.000Z, grade: 'B', score: 24 } ],

name: 'Zum Stammtisch',

restaurant\_id: '40367377' }

{ \_id: ObjectId("617bd147bca94ace54c7945a"),

address:

{ building: '107109',

coord: [ -73.9744668, 40.731155 ],

street: 'Avenue C',

zipcode: '10009' },

borough: 'Manhattan',

cuisine: 'German',

grades:

[ { date: 2014-03-04T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-08-21T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-02-27T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-06-05T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-12-20T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2011-07-15T00:00:00.000Z, grade: 'A', score: 6 } ],

name: 'Zum Schneider',

restaurant\_id: '40763382' }

{ \_id: ObjectId("617bd147bca94ace54c79694"),

address:

{ building: '2905',

coord: [ -73.91337299999999, 40.775064 ],

street: '23 Avenue',

zipcode: '11105' },

borough: 'Queens',

cuisine: 'Greek',

grades:

[ { date: 2014-09-29T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-04-18T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-03-19T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-10-03T00:00:00.000Z, grade: 'B', score: 20 },

{ date: 2012-05-07T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'Zorba\'S',

restaurant\_id: '40877247' }

{ \_id: ObjectId("617bd147bca94ace54c794dc"),

address:

{ building: '305',

coord: [ -73.94830499999999, 40.781662 ],

street: 'East 92 Street',

zipcode: '10128' },

borough: 'Manhattan',

cuisine: 'Brazilian',

grades:

[ { date: 2015-01-09T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2014-07-16T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-04-26T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-04-21T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'Zebu Grill',

restaurant\_id: '40800325' }

{ \_id: ObjectId("617bd145bca94ace54c78e3c"),

address:

{ building: '89',

coord: [ -73.97729919999999, 40.7524958 ],

street: 'East 42 Street',

zipcode: '10017' },

borough: 'Manhattan',

cuisine: 'Bakery',

grades:

[ { date: 2014-12-23T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2014-01-13T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2013-01-23T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2012-08-20T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-03-30T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Zaro\'S Bread Basket',

restaurant\_id: '40512617' }

{ \_id: ObjectId("617bd145bca94ace54c78e12"),

address:

{ building: '1',

coord: [ -76.878256, 40.26205 ],

street: 'Pennsylvania Station (Amtrack)',

zipcode: '10001' },

borough: 'Manhattan',

cuisine: 'Bakery',

grades:

[ { date: 2014-02-07T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-02-11T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2012-09-18T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-04-05T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2011-11-17T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2011-07-05T00:00:00.000Z, grade: 'A', score: 4 } ],

name: 'Zaro\'S Bread Basket',

restaurant\_id: '40510389' }

{ \_id: ObjectId("617bd145bca94ace54c78c97"),

address:

{ building: '29',

coord: [ -73.86119219999999, 40.8338023 ],

street: 'Hugh Grant Circle',

zipcode: '10462' },

borough: 'Bronx',

cuisine: 'Bakery',

grades:

[ { date: 2014-08-27T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-09-10T00:00:00.000Z, grade: 'A', score: 0 },

{ date: 2013-05-07T00:00:00.000Z, grade: 'C', score: 2 },

{ date: 2013-03-23T00:00:00.000Z, grade: 'P', score: 13 },

{ date: 2012-10-24T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-11-01T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Zaro\'S Bread Basket',

restaurant\_id: '40397863' }

{ \_id: ObjectId("617bd146bca94ace54c7905c"),

address:

{ building: '89',

coord: [ -73.97729919999999, 40.7524958 ],

street: 'East 42 Street',

zipcode: '10017' },

borough: 'Manhattan',

cuisine: 'Bakery',

grades:

[ { date: 2014-12-11T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2014-07-17T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-06-26T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-01-29T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2012-07-16T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Zaro\'S Bread Basket',

restaurant\_id: '40586000' }

{ \_id: ObjectId("617bd146bca94ace54c7940d"),

address:

{ building: '2',

coord: [ -73.992255, 40.749712 ],

street: 'Penn Plaza',

zipcode: '10121' },

borough: 'Manhattan',

cuisine: 'Bakery',

grades:

[ { date: 2014-02-18T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-01-22T00:00:00.000Z, grade: 'A', score: 3 },

{ date: 2012-03-21T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2011-11-09T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-07-25T00:00:00.000Z, grade: 'B', score: 18 } ],

name: 'Zaro\'S Bread Basket',

restaurant\_id: '40750766' }

{ \_id: ObjectId("617bd145bca94ace54c78dd3"),

address:

{ building: '89',

coord: [ -73.97729919999999, 40.7524958 ],

street: 'East 42 Street',

zipcode: '10017' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-09-29T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2013-09-11T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-09-14T00:00:00.000Z, grade: 'A', score: 10 } ],

name: 'Zaro\'S Bakery',

restaurant\_id: '40423705' }

{ \_id: ObjectId("617bd146bca94ace54c7925d"),

address:

{ building: '370',

coord: [ -73.9768121, 40.7507385 ],

street: 'Lexington Avenue',

zipcode: '10017' },

borough: 'Manhattan',

cuisine: 'Bakery',

grades:

[ { date: 2014-09-18T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-09-09T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-04-08T00:00:00.000Z, grade: 'B', score: 14 },

{ date: 2012-10-15T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-05-24T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2011-10-31T00:00:00.000Z, grade: 'B', score: 25 } ],

name: 'Zaro\'S Bakery',

restaurant\_id: '40686674' }

{ \_id: ObjectId("617bd143bca94ace54c789ad"),

address:

{ building: '500',

coord: [ -73.9828058, 40.7150766 ],

street: 'Grand Street',

zipcode: '10002' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-03-20T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2013-03-13T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2012-10-19T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-05-25T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2011-06-08T00:00:00.000Z, grade: 'A', score: 8 } ],

name: 'Zafi\'S Luncheonette',

restaurant\_id: '40371718' }

{ \_id: ObjectId("617bd147bca94ace54c79687"),

address:

{ building: '301',

coord: [ -73.9465592, 40.8165415 ],

street: 'West 135 Street',

zipcode: '10030' },

borough: 'Manhattan',

cuisine: 'Caribbean',

grades:

[ { date: 2014-01-08T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-07-12T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-01-30T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-12-06T00:00:00.000Z, grade: 'C', score: 11 },

{ date: 2012-02-28T00:00:00.000Z, grade: 'B', score: 16 } ],

name: 'Yvonne Yvonne Restaurant',

restaurant\_id: '40875849' }

{ \_id: ObjectId("617bd146bca94ace54c791a3"),

address:

{ building: '1292',

coord: [ -73.9563202, 40.7846507 ],

street: 'Madison Avenue',

zipcode: '10128' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2015-01-05T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-08-08T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-12-17T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-07-10T00:00:00.000Z, grade: 'A', score: 6 },

{ date: 2013-01-08T00:00:00.000Z, grade: 'C', score: 41 } ],

name: 'Yura & Company On Madison',

restaurant\_id: '40646987' }

{ \_id: ObjectId("617bd147bca94ace54c79458"),

address:

{ building: '9021',

coord: [ -73.87785749999999, 40.760312 ],

street: '31 Avenue',

zipcode: '11369' },

borough: 'Queens',

cuisine: 'Chinese',

grades:

[ { date: 2014-12-10T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2014-06-12T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-11-12T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-04-10T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2012-10-17T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2012-05-23T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2011-12-22T00:00:00.000Z, grade: 'P', score: 6 } ],

name: 'Yummy Kitchen',

restaurant\_id: '40763160' }

{ \_id: ObjectId("617bd145bca94ace54c78e9a"),

address:

{ building: '518',

coord: [ -74.02590599999999, 40.6209702 ],

street: '86 Street',

zipcode: '11209' },

borough: 'Brooklyn',

cuisine: 'Bakery',

grades:

[ { date: 2014-05-01T00:00:00.000Z, grade: 'A', score: 3 },

{ date: 2013-04-25T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-11-19T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2011-11-04T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Your Bakery',

restaurant\_id: '40529415' }

{ \_id: ObjectId("617bd145bca94ace54c78efc"),

address:

{ building: '137',

coord: [ -73.9901259, 40.7231435 ],

street: 'East Houston Street',

zipcode: '10002' },

borough: 'Manhattan',

cuisine: 'Eastern European',

grades:

[ { date: 2014-06-23T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-06-03T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-06-25T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-01-31T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2011-08-30T00:00:00.000Z, grade: 'A', score: 10 } ],

name: 'Yonah Shimmels Knishes',

restaurant\_id: '40544576' }

{ \_id: ObjectId("617bd146bca94ace54c790a5"),

address:

{ building: '292',

coord: [ -73.9218923, 40.8169858 ],

street: 'East 149 Street',

zipcode: '10451' },

borough: 'Bronx',

cuisine: 'Pizza/Italian',

grades:

[ { date: 2014-10-06T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-05-20T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-03-25T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-09-20T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Yolanda Pizzeria Restaurant',

restaurant\_id: '40594879' }

{ \_id: ObjectId("617bd143bca94ace54c78b08"),

address:

{ building: '1290',

coord: [ -73.9788903, 40.7605367 ],

street: 'Avenue Of Americas',

zipcode: '10119' },

borough: 'Manhattan',

cuisine: 'Chinese',

grades:

[ { date: 2014-09-23T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-12-11T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-04-09T00:00:00.000Z, grade: 'B', score: 26 },

{ date: 2012-10-04T00:00:00.000Z, grade: 'B', score: 23 },

{ date: 2012-05-07T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-12-20T00:00:00.000Z, grade: 'B', score: 22 } ],

name: 'Yip\'S',

restaurant\_id: '40388209' }

{ \_id: ObjectId("617bd143bca94ace54c78bb9"),

address:

{ building: '404',

coord: [ -73.97635439999999, 40.6438997 ],

street: 'Church Avenue',

zipcode: '11218' },

borough: 'Brooklyn',

cuisine: 'Chinese',

grades:

[ { date: 2014-10-29T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2014-03-24T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-10-25T00:00:00.000Z, grade: 'C', score: 3 },

{ date: 2012-10-01T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-05-09T00:00:00.000Z, grade: 'C', score: 2 } ],

name: 'Yen Yen Restaurant',

restaurant\_id: '40393181' }

1. Write a MongoDB query to arranged the name of the cuisine in ascending order and for that same cuisine borough should be in descending order.

db.addresses.find().sort({"cuisine":1,"borough":-1})

{ \_id: ObjectId("617bd145bca94ace54c78f4c"),

address:

{ building: '1345',

coord: [ -73.959249, 40.768076 ],

street: '2 Avenue',

zipcode: '10021' },

borough: 'Manhattan',

cuisine: 'Afghan',

grades:

[ { date: 2014-10-07T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-10-23T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2012-10-26T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-04-26T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-01-12T00:00:00.000Z, grade: 'P', score: 10 } ],

name: 'Afghan Kebab House',

restaurant\_id: '40552806' }

{ \_id: ObjectId("617bd146bca94ace54c79130"),

address:

{ building: '764',

coord: [ -73.9880435, 40.7641423 ],

street: '9 Avenue',

zipcode: '10019' },

borough: 'Manhattan',

cuisine: 'Afghan',

grades:

[ { date: 2014-12-30T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-10-10T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2013-02-25T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-08-09T00:00:00.000Z, grade: 'C', score: 2 },

{ date: 2012-02-16T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Afghan Kebab House #1',

restaurant\_id: '40616799' }

{ \_id: ObjectId("617bd146bca94ace54c79077"),

address:

{ building: '34',

coord: [ -73.9883612, 40.7286391 ],

street: 'St Marks Place',

zipcode: '10003' },

borough: 'Manhattan',

cuisine: 'Afghan',

grades:

[ { date: 2014-02-20T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-08-06T00:00:00.000Z, grade: 'B', score: 17 },

{ date: 2013-01-31T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-05-24T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2011-12-13T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2011-08-25T00:00:00.000Z, grade: 'A', score: 10 } ],

name: 'Khyber Pass',

restaurant\_id: '40589545' }

{ \_id: ObjectId("617bd147bca94ace54c79653"),

address:

{ building: '787',

coord: [ -73.9880886, 40.7651331 ],

street: '9 Avenue',

zipcode: '10019' },

borough: 'Manhattan',

cuisine: 'Afghan',

grades:

[ { date: 2014-07-22T00:00:00.000Z, grade: 'A', score: 3 },

{ date: 2013-07-08T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2013-02-05T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2011-11-28T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Ariana Kebab House',

restaurant\_id: '40868400' }

{ \_id: ObjectId("617bd147bca94ace54c794c8"),

address:

{ building: '14612',

coord: [ -73.8057078, 40.6948408 ],

street: 'Liberty Avenue',

zipcode: '11435' },

borough: 'Queens',

cuisine: 'African',

grades:

[ { date: 2014-04-16T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2013-09-16T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2012-08-23T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-02-21T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-06-30T00:00:00.000Z, grade: 'B', score: 19 } ],

name: 'Africana Restaurant',

restaurant\_id: '40798504' }

{ \_id: ObjectId("617bd146bca94ace54c79252"),

address:

{ building: '195',

coord: [ -73.9717845, 40.6897199 ],

street: 'Dekalb Avenue',

zipcode: '11205' },

borough: 'Brooklyn',

cuisine: 'African',

grades:

[ { date: 2014-08-18T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-01-13T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2012-12-19T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-08-01T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-03-12T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-11-01T00:00:00.000Z, grade: 'A', score: 10 } ],

name: 'Madiba',

restaurant\_id: '40684161' }

{ \_id: ObjectId("617bd143bca94ace54c78939"),

address:

{ building: '2300',

coord: [ -73.8786113, 40.8502883 ],

street: 'Southern Boulevard',

zipcode: '10460' },

borough: 'Bronx',

cuisine: 'African',

grades:

[ { date: 2014-05-21T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-06-01T00:00:00.000Z, grade: 'A', score: 6 },

{ date: 2012-06-12T00:00:00.000Z, grade: 'A', score: 0 },

{ date: 2011-06-08T00:00:00.000Z, grade: 'A', score: 0 } ],

name: 'African Terrace',

restaurant\_id: '40368021' }

{ \_id: ObjectId("617bd147bca94ace54c79580"),

address:

{ building: '2364',

coord: [ -73.9025083, 40.8603246 ],

street: 'Jerome Avenue',

zipcode: '10468' },

borough: 'Bronx',

cuisine: 'African',

grades:

[ { date: 2014-04-22T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-10-22T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-09-18T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-10-04T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-05-26T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Ebe Ye Yie African Restaurant',

restaurant\_id: '40832718' }

{ \_id: ObjectId("617bd143bca94ace54c788bd"),

address:

{ building: '6736',

coord: [ -74.2274942, 40.5071996 ],

street: 'Hylan Boulevard',

zipcode: '10309' },

borough: 'Staten Island',

cuisine: 'American ',

grades:

[ { date: 2014-08-13T00:00:00.000Z, grade: 'A', score: 3 },

{ date: 2013-08-20T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2012-06-18T00:00:00.000Z, grade: 'A', score: 6 } ],

name: 'South Shore Swimming Club',

restaurant\_id: '40365120' }

{ \_id: ObjectId("617bd143bca94ace54c788d8"),

address:

{ building: '3823',

coord: [ -74.16536339999999, 40.5450793 ],

street: 'Richmond Avenue',

zipcode: '10312' },

borough: 'Staten Island',

cuisine: 'American ',

grades:

[ { date: 2014-07-15T00:00:00.000Z, grade: 'B', score: 20 },

{ date: 2013-04-01T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-03-12T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Joyce\'S Tavern',

restaurant\_id: '40365692' }

{ \_id: ObjectId("617bd143bca94ace54c78923"),

address:

{ building: '17',

coord: [ -74.1350211, 40.6369042 ],

street: 'Harrison Avenue',

zipcode: '10302' },

borough: 'Staten Island',

cuisine: 'American ',

grades:

[ { date: 2014-07-22T00:00:00.000Z, grade: 'B', score: 15 },

{ date: 2013-10-23T00:00:00.000Z, grade: 'B', score: 16 },

{ date: 2013-04-16T00:00:00.000Z, grade: 'B', score: 17 },

{ date: 2012-03-31T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Buddy\'S Wonder Bar',

restaurant\_id: '40367442' }

{ \_id: ObjectId("617bd143bca94ace54c78a36"),

address:

{ building: '502',

coord: [ -74.1092654, 40.6379272 ],

street: 'Henderson Avenue',

zipcode: '10310' },

borough: 'Staten Island',

cuisine: 'American ',

grades:

[ { date: 2014-07-17T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-12-04T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-01-22T00:00:00.000Z, grade: 'B', score: 20 },

{ date: 2012-05-09T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Union Hall',

restaurant\_id: '40378822' }

{ \_id: ObjectId("617bd143bca94ace54c788b9"),

address:

{ building: '390',

coord: [ -74.07444319999999, 40.6096914 ],

street: 'Hylan Boulevard',

zipcode: '10305' },

borough: 'Staten Island',

cuisine: 'American ',

grades:

[ { date: 2014-06-21T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-06-15T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-08-30T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2011-10-07T00:00:00.000Z, grade: 'B', score: 20 } ],

name: 'Labetti\'S Post # 2159',

restaurant\_id: '40365022' }

{ \_id: ObjectId("617bd143bca94ace54c78960"),

address:

{ building: '372',

coord: [ -74.1018239, 40.630788 ],

street: 'Forest Avenue',

zipcode: '10301' },

borough: 'Staten Island',

cuisine: 'American ',

grades:

[ { date: 2014-03-08T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-09-17T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2013-02-14T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-07-14T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-12-14T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-07-11T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Jody\'S Club',

restaurant\_id: '40369158' }

{ \_id: ObjectId("617bd143bca94ace54c7899e"),

address:

{ building: '1745',

coord: [ -74.146976, 40.625178 ],

street: 'Forest Avenue',

zipcode: '10303' },

borough: 'Staten Island',

cuisine: 'American ',

grades:

[ { date: 2014-11-15T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2014-06-24T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2014-01-08T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-12-07T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-06-23T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-01-24T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Perkins Family Restaurant & Bakery',

restaurant\_id: '40370910' }

{ \_id: ObjectId("617bd143bca94ace54c78a0a"),

address:

{ building: '500',

coord: [ -74.1069208, 40.6302784 ],

street: 'Forest Avenue',

zipcode: '10310' },

borough: 'Staten Island',

cuisine: 'American ',

grades:

[ { date: 2014-06-17T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-07-05T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-01-08T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-10-26T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-07-02T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'King\'S Arms Restaurant',

restaurant\_id: '40376290' }

{ \_id: ObjectId("617bd143bca94ace54c78943"),

address:

{ building: '2001',

coord: [ -74.099018, 40.58116500000001 ],

street: 'Hylan Boulevard',

zipcode: '10306' },

borough: 'Staten Island',

cuisine: 'American ',

grades:

[ { date: 2014-10-06T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2014-03-20T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-09-26T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-04-01T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-03-05T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Colonnade Diner',

restaurant\_id: '40368291' }

{ \_id: ObjectId("617bd143bca94ace54c789af"),

address:

{ building: '2055',

coord: [ -74.1321, 40.61266000000001 ],

street: 'Victory Boulevard',

zipcode: '10314' },

borough: 'Staten Island',

cuisine: 'American ',

grades:

[ { date: 2014-11-06T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2014-05-06T00:00:00.000Z, grade: 'B', score: 20 },

{ date: 2013-01-26T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-12-17T00:00:00.000Z, grade: 'A', score: 7 } ],

name: 'Schaffer\'S Tavern',

restaurant\_id: '40371771' }

{ \_id: ObjectId("617bd143bca94ace54c78902"),

address:

{ building: '697',

coord: [ -74.11223799999999, 40.629819 ],

street: 'Forest Avenue',

zipcode: '10310' },

borough: 'Staten Island',

cuisine: 'American ',

grades:

[ { date: 2014-07-17T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2013-10-03T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2013-02-13T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-06-11T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-01-05T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Li Greci\'S Staaten Restaurant',

restaurant\_id: '40366711' }

{ \_id: ObjectId("617bd143bca94ace54c789cc"),

address:

{ building: '3281',

coord: [ -74.1690735, 40.5589805 ],

street: 'Richmond Avenue',

zipcode: '10312' },

borough: 'Staten Island',

cuisine: 'American ',

grades:

[ { date: 2013-12-03T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-04-03T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-10-03T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-04-17T00:00:00.000Z, grade: 'B', score: 27 } ],

name: 'Golden Dove Diner',

restaurant\_id: '40373118' }

1. Write a MongoDB query to know whether all the addresses contains the street or not.

db.addresses.find({"address.street":{$exists:true}})

{ \_id: ObjectId("617bd143bca94ace54c78865"),

address:

{ building: '97-22',

coord: [ -73.8601152, 40.7311739 ],

street: '63 Road',

zipcode: '11374' },

borough: 'Queens',

cuisine: 'Jewish/Kosher',

grades:

[ { date: 2014-11-24T00:00:00.000Z, grade: 'Z', score: 20 },

{ date: 2013-01-17T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-08-02T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-12-15T00:00:00.000Z, grade: 'B', score: 25 } ],

name: 'Tov Kosher Kitchen',

restaurant\_id: '40356068' }

{ \_id: ObjectId("617bd143bca94ace54c7887f"),

address:

{ building: '107',

coord: [ -74.00920839999999, 40.7132925 ],

street: 'Church Street',

zipcode: '10007' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-07-18T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2014-02-26T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-08-26T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-02-01T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-01-17T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-10-18T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Downtown Deli',

restaurant\_id: '40363021' }

{ \_id: ObjectId("617bd143bca94ace54c7887a"),

address:

{ building: '18',

coord: [ -73.996984, 40.72589 ],

street: 'West Houston Street',

zipcode: '10012' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-04-03T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-04-05T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2012-03-21T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-04-27T00:00:00.000Z, grade: 'A', score: 5 } ],

name: 'Angelika Film Center',

restaurant\_id: '40362274' }

{ \_id: ObjectId("617bd143bca94ace54c78873"),

address:

{ building: '522',

coord: [ -73.95171, 40.767461 ],

street: 'East 74 Street',

zipcode: '10021' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-09-02T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-12-19T00:00:00.000Z, grade: 'B', score: 16 },

{ date: 2013-05-28T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-12-07T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-03-29T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Glorious Food',

restaurant\_id: '40361521' }

{ \_id: ObjectId("617bd143bca94ace54c78879"),

address:

{ building: '730',

coord: [ -73.96805719999999, 40.7925587 ],

street: 'Columbus Avenue',

zipcode: '10025' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-09-12T00:00:00.000Z, grade: 'B', score: 26 },

{ date: 2013-08-28T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-03-25T00:00:00.000Z, grade: 'B', score: 20 },

{ date: 2012-02-14T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'P & S Deli Grocery',

restaurant\_id: '40362264' }

{ \_id: ObjectId("617bd143bca94ace54c7887c"),

address:

{ building: '103-05',

coord: [ -73.8642349, 40.75356 ],

street: '37 Avenue',

zipcode: '11368' },

borough: 'Queens',

cuisine: 'Chinese',

grades:

[ { date: 2014-04-21T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-11-12T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-06-04T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-11-14T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-10-11T00:00:00.000Z, grade: 'P', score: 0 },

{ date: 2012-05-24T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-12-08T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-07-20T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Ho Mei Restaurant',

restaurant\_id: '40362432' }

{ \_id: ObjectId("617bd143bca94ace54c7887d"),

address:

{ building: '60',

coord: [ -74.0085357, 40.70620539999999 ],

street: 'Wall Street',

zipcode: '10005' },

borough: 'Manhattan',

cuisine: 'Turkish',

grades:

[ { date: 2014-09-26T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-09-18T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-09-21T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-05-09T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'The Country Cafe',

restaurant\_id: '40362715' }

{ \_id: ObjectId("617bd143bca94ace54c7888f"),

address:

{ building: '1111',

coord: [ -74.0796436, 40.59878339999999 ],

street: 'Hylan Boulevard',

zipcode: '10305' },

borough: 'Staten Island',

cuisine: 'Ice Cream, Gelato, Yogurt, Ices',

grades:

[ { date: 2014-04-24T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-02-26T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2012-02-02T00:00:00.000Z, grade: 'A', score: 2 } ],

name: 'Carvel Ice Cream',

restaurant\_id: '40363834' }

{ \_id: ObjectId("617bd143bca94ace54c788bd"),

address:

{ building: '6736',

coord: [ -74.2274942, 40.5071996 ],

street: 'Hylan Boulevard',

zipcode: '10309' },

borough: 'Staten Island',

cuisine: 'American ',

grades:

[ { date: 2014-08-13T00:00:00.000Z, grade: 'A', score: 3 },

{ date: 2013-08-20T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2012-06-18T00:00:00.000Z, grade: 'A', score: 6 } ],

name: 'South Shore Swimming Club',

restaurant\_id: '40365120' }

{ \_id: ObjectId("617bd143bca94ace54c788dd"),

address:

{ building: '10701',

coord: [ -73.856132, 40.743841 ],

street: 'Corona Avenue',

zipcode: '11368' },

borough: 'Queens',

cuisine: 'Italian',

grades:

[ { date: 2014-07-17T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2014-02-25T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-03-27T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-02-07T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-12-28T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Parkside Restaurant',

restaurant\_id: '40365841' }

{ \_id: ObjectId("617bd143bca94ace54c788fb"),

address:

{ building: '37-37',

coord: [ -73.8700163, 40.7504734 ],

street: 'Junction Boulevard',

zipcode: '11368' },

borough: 'Queens',

cuisine: 'Chinese',

grades:

[ { date: 2014-09-25T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2014-05-14T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2013-11-12T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-06-04T00:00:00.000Z, grade: 'B', score: 20 },

{ date: 2012-12-05T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-06-27T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-11-28T00:00:00.000Z, grade: 'B', score: 26 } ],

name: 'Jardin De China Rest',

restaurant\_id: '40366543' }

{ \_id: ObjectId("617bd143bca94ace54c78905"),

address:

{ building: '21',

coord: [ -73.9168424, 40.8401362 ],

street: 'East 170 Street',

zipcode: '10452' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-12-16T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2014-08-12T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-03-03T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2013-08-29T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-08-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-02-13T00:00:00.000Z, grade: 'B', score: 16 } ],

name: 'Munchtime',

restaurant\_id: '40366748' }

{ \_id: ObjectId("617bd143bca94ace54c78927"),

address:

{ building: '406',

coord: [ -73.9550129, 40.768019 ],

street: 'East 73 Street',

zipcode: '10021' },

borough: 'Manhattan',

cuisine: 'Spanish',

grades:

[ { date: 2014-07-30T00:00:00.000Z, grade: 'A', score: 6 },

{ date: 2013-05-23T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-10-04T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-09-04T00:00:00.000Z, grade: 'P', score: 9 },

{ date: 2012-02-23T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2011-09-12T00:00:00.000Z, grade: 'B', score: 24 } ],

name: 'Malaga Restaurant',

restaurant\_id: '40367544' }

{ \_id: ObjectId("617bd143bca94ace54c78938"),

address:

{ building: '2300',

coord: [ -73.8786113, 40.8502883 ],

street: 'Southern Boulevard',

zipcode: '10460' },

borough: 'Bronx',

cuisine: 'Café/Coffee/Tea',

grades:

[ { date: 2014-05-21T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-05-29T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-06-18T00:00:00.000Z, grade: 'A', score: 8 } ],

name: 'Terrace Cafe',

restaurant\_id: '40368018' }

{ \_id: ObjectId("617bd143bca94ace54c7895d"),

address:

{ building: '135',

coord: [ -73.9717, 40.756457 ],

street: 'East 50 Street',

zipcode: '10022' },

borough: 'Manhattan',

cuisine: 'Japanese',

grades:

[ { date: 2014-12-03T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2014-05-23T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-02-27T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-08-08T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2012-02-14T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Nada-Sushi',

restaurant\_id: '40369097' }

{ \_id: ObjectId("617bd143bca94ace54c78978"),

address:

{ building: '1011',

coord: [ -73.9623333, 40.7757194 ],

street: 'Madison Avenue',

zipcode: '10075' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-05-02T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-10-21T00:00:00.000Z, grade: 'B', score: 15 },

{ date: 2013-04-19T00:00:00.000Z, grade: 'B', score: 0 },

{ date: 2012-11-21T00:00:00.000Z, grade: 'C', score: 40 },

{ date: 2012-04-09T00:00:00.000Z, grade: 'B', score: 17 } ],

name: 'Viand Cafe',

restaurant\_id: '40369753' }

{ \_id: ObjectId("617bd143bca94ace54c78986"),

address:

{ building: '83-18',

coord: [ -73.807954, 40.715159 ],

street: 'Parsons Boulevard',

zipcode: '11432' },

borough: 'Queens',

cuisine: 'American ',

grades:

[ { date: 2014-12-31T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2014-03-18T00:00:00.000Z, grade: 'B', score: 21 },

{ date: 2013-09-25T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-04-10T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-08-30T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'The Dart Inn',

restaurant\_id: '40369983' }

{ \_id: ObjectId("617bd143bca94ace54c7898a"),

address:

{ building: '4272',

coord: [ -73.86720489999999, 40.8977501 ],

street: 'Katonah Avenue',

zipcode: '10470' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-05-23T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-11-04T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-04-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-09-24T00:00:00.000Z, grade: 'B', score: 15 } ],

name: 'John Mulligan\'S Fireside Pub',

restaurant\_id: '40370150' }

{ \_id: ObjectId("617bd143bca94ace54c7899a"),

address:

{ building: '172',

coord: [ -74.0007509, 40.7287609 ],

street: 'Bleecker Street',

zipcode: '10012' },

borough: 'Manhattan',

cuisine: 'Spanish',

grades:

[ { date: 2014-08-05T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2014-01-07T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-05-31T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2012-06-26T00:00:00.000Z, grade: 'B', score: 26 },

{ date: 2012-01-18T00:00:00.000Z, grade: 'C', score: 54 },

{ date: 2011-09-06T00:00:00.000Z, grade: 'B', score: 14 } ],

name: 'Cafe Espanol',

restaurant\_id: '40370759' }

{ \_id: ObjectId("617bd143bca94ace54c789ac"),

address:

{ building: '4801',

coord: [ -73.984858, 40.631394 ],

street: '16 Avenue',

zipcode: '11204' },

borough: 'Brooklyn',

cuisine: 'Jewish/Kosher',

grades:

[ { date: 2014-09-18T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-10-09T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-05-23T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2012-04-05T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2011-11-17T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'Dairy Luncheonette',

restaurant\_id: '40371684' }

1. Write a MongoDB query which will select all documents in the restaurants collection where the coord field value is Double.

db.addresses.find({"address.coord":{$type:1}})

{ \_id: ObjectId("617bd143bca94ace54c78865"),

address:

{ building: '97-22',

coord: [ -73.8601152, 40.7311739 ],

street: '63 Road',

zipcode: '11374' },

borough: 'Queens',

cuisine: 'Jewish/Kosher',

grades:

[ { date: 2014-11-24T00:00:00.000Z, grade: 'Z', score: 20 },

{ date: 2013-01-17T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-08-02T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-12-15T00:00:00.000Z, grade: 'B', score: 25 } ],

name: 'Tov Kosher Kitchen',

restaurant\_id: '40356068' }

{ \_id: ObjectId("617bd143bca94ace54c7887f"),

address:

{ building: '107',

coord: [ -74.00920839999999, 40.7132925 ],

street: 'Church Street',

zipcode: '10007' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-07-18T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2014-02-26T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-08-26T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-02-01T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-01-17T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-10-18T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Downtown Deli',

restaurant\_id: '40363021' }

{ \_id: ObjectId("617bd143bca94ace54c7887a"),

address:

{ building: '18',

coord: [ -73.996984, 40.72589 ],

street: 'West Houston Street',

zipcode: '10012' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-04-03T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-04-05T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2012-03-21T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-04-27T00:00:00.000Z, grade: 'A', score: 5 } ],

name: 'Angelika Film Center',

restaurant\_id: '40362274' }

{ \_id: ObjectId("617bd143bca94ace54c78873"),

address:

{ building: '522',

coord: [ -73.95171, 40.767461 ],

street: 'East 74 Street',

zipcode: '10021' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-09-02T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-12-19T00:00:00.000Z, grade: 'B', score: 16 },

{ date: 2013-05-28T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-12-07T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-03-29T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Glorious Food',

restaurant\_id: '40361521' }

{ \_id: ObjectId("617bd143bca94ace54c78879"),

address:

{ building: '730',

coord: [ -73.96805719999999, 40.7925587 ],

street: 'Columbus Avenue',

zipcode: '10025' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-09-12T00:00:00.000Z, grade: 'B', score: 26 },

{ date: 2013-08-28T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-03-25T00:00:00.000Z, grade: 'B', score: 20 },

{ date: 2012-02-14T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'P & S Deli Grocery',

restaurant\_id: '40362264' }

{ \_id: ObjectId("617bd143bca94ace54c7887c"),

address:

{ building: '103-05',

coord: [ -73.8642349, 40.75356 ],

street: '37 Avenue',

zipcode: '11368' },

borough: 'Queens',

cuisine: 'Chinese',

grades:

[ { date: 2014-04-21T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-11-12T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-06-04T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-11-14T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-10-11T00:00:00.000Z, grade: 'P', score: 0 },

{ date: 2012-05-24T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-12-08T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-07-20T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Ho Mei Restaurant',

restaurant\_id: '40362432' }

{ \_id: ObjectId("617bd143bca94ace54c7887d"),

address:

{ building: '60',

coord: [ -74.0085357, 40.70620539999999 ],

street: 'Wall Street',

zipcode: '10005' },

borough: 'Manhattan',

cuisine: 'Turkish',

grades:

[ { date: 2014-09-26T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2013-09-18T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-09-21T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-05-09T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'The Country Cafe',

restaurant\_id: '40362715' }

{ \_id: ObjectId("617bd143bca94ace54c7888f"),

address:

{ building: '1111',

coord: [ -74.0796436, 40.59878339999999 ],

street: 'Hylan Boulevard',

zipcode: '10305' },

borough: 'Staten Island',

cuisine: 'Ice Cream, Gelato, Yogurt, Ices',

grades:

[ { date: 2014-04-24T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-02-26T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2012-02-02T00:00:00.000Z, grade: 'A', score: 2 } ],

name: 'Carvel Ice Cream',

restaurant\_id: '40363834' }

{ \_id: ObjectId("617bd143bca94ace54c788bd"),

address:

{ building: '6736',

coord: [ -74.2274942, 40.5071996 ],

street: 'Hylan Boulevard',

zipcode: '10309' },

borough: 'Staten Island',

cuisine: 'American ',

grades:

[ { date: 2014-08-13T00:00:00.000Z, grade: 'A', score: 3 },

{ date: 2013-08-20T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2012-06-18T00:00:00.000Z, grade: 'A', score: 6 } ],

name: 'South Shore Swimming Club',

restaurant\_id: '40365120' }

{ \_id: ObjectId("617bd143bca94ace54c788dd"),

address:

{ building: '10701',

coord: [ -73.856132, 40.743841 ],

street: 'Corona Avenue',

zipcode: '11368' },

borough: 'Queens',

cuisine: 'Italian',

grades:

[ { date: 2014-07-17T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2014-02-25T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-03-27T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-02-07T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2011-12-28T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Parkside Restaurant',

restaurant\_id: '40365841' }

{ \_id: ObjectId("617bd143bca94ace54c788fb"),

address:

{ building: '37-37',

coord: [ -73.8700163, 40.7504734 ],

street: 'Junction Boulevard',

zipcode: '11368' },

borough: 'Queens',

cuisine: 'Chinese',

grades:

[ { date: 2014-09-25T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2014-05-14T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2013-11-12T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-06-04T00:00:00.000Z, grade: 'B', score: 20 },

{ date: 2012-12-05T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-06-27T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-11-28T00:00:00.000Z, grade: 'B', score: 26 } ],

name: 'Jardin De China Rest',

restaurant\_id: '40366543' }

{ \_id: ObjectId("617bd143bca94ace54c78905"),

address:

{ building: '21',

coord: [ -73.9168424, 40.8401362 ],

street: 'East 170 Street',

zipcode: '10452' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-12-16T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2014-08-12T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-03-03T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2013-08-29T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-08-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-02-13T00:00:00.000Z, grade: 'B', score: 16 } ],

name: 'Munchtime',

restaurant\_id: '40366748' }

{ \_id: ObjectId("617bd143bca94ace54c78927"),

address:

{ building: '406',

coord: [ -73.9550129, 40.768019 ],

street: 'East 73 Street',

zipcode: '10021' },

borough: 'Manhattan',

cuisine: 'Spanish',

grades:

[ { date: 2014-07-30T00:00:00.000Z, grade: 'A', score: 6 },

{ date: 2013-05-23T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-10-04T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-09-04T00:00:00.000Z, grade: 'P', score: 9 },

{ date: 2012-02-23T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2011-09-12T00:00:00.000Z, grade: 'B', score: 24 } ],

name: 'Malaga Restaurant',

restaurant\_id: '40367544' }

{ \_id: ObjectId("617bd143bca94ace54c78938"),

address:

{ building: '2300',

coord: [ -73.8786113, 40.8502883 ],

street: 'Southern Boulevard',

zipcode: '10460' },

borough: 'Bronx',

cuisine: 'Café/Coffee/Tea',

grades:

[ { date: 2014-05-21T00:00:00.000Z, grade: 'A', score: 8 },

{ date: 2013-05-29T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-06-18T00:00:00.000Z, grade: 'A', score: 8 } ],

name: 'Terrace Cafe',

restaurant\_id: '40368018' }

{ \_id: ObjectId("617bd143bca94ace54c7895d"),

address:

{ building: '135',

coord: [ -73.9717, 40.756457 ],

street: 'East 50 Street',

zipcode: '10022' },

borough: 'Manhattan',

cuisine: 'Japanese',

grades:

[ { date: 2014-12-03T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2014-05-23T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-02-27T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2012-08-08T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2012-02-14T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Nada-Sushi',

restaurant\_id: '40369097' }

{ \_id: ObjectId("617bd143bca94ace54c78978"),

address:

{ building: '1011',

coord: [ -73.9623333, 40.7757194 ],

street: 'Madison Avenue',

zipcode: '10075' },

borough: 'Manhattan',

cuisine: 'American ',

grades:

[ { date: 2014-05-02T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-10-21T00:00:00.000Z, grade: 'B', score: 15 },

{ date: 2013-04-19T00:00:00.000Z, grade: 'B', score: 0 },

{ date: 2012-11-21T00:00:00.000Z, grade: 'C', score: 40 },

{ date: 2012-04-09T00:00:00.000Z, grade: 'B', score: 17 } ],

name: 'Viand Cafe',

restaurant\_id: '40369753' }

{ \_id: ObjectId("617bd143bca94ace54c78986"),

address:

{ building: '83-18',

coord: [ -73.807954, 40.715159 ],

street: 'Parsons Boulevard',

zipcode: '11432' },

borough: 'Queens',

cuisine: 'American ',

grades:

[ { date: 2014-12-31T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2014-03-18T00:00:00.000Z, grade: 'B', score: 21 },

{ date: 2013-09-25T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-04-10T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-08-30T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'The Dart Inn',

restaurant\_id: '40369983' }

{ \_id: ObjectId("617bd143bca94ace54c7898a"),

address:

{ building: '4272',

coord: [ -73.86720489999999, 40.8977501 ],

street: 'Katonah Avenue',

zipcode: '10470' },

borough: 'Bronx',

cuisine: 'American ',

grades:

[ { date: 2014-05-23T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-11-04T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-04-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-09-24T00:00:00.000Z, grade: 'B', score: 15 } ],

name: 'John Mulligan\'S Fireside Pub',

restaurant\_id: '40370150' }

{ \_id: ObjectId("617bd143bca94ace54c7899a"),

address:

{ building: '172',

coord: [ -74.0007509, 40.7287609 ],

street: 'Bleecker Street',

zipcode: '10012' },

borough: 'Manhattan',

cuisine: 'Spanish',

grades:

[ { date: 2014-08-05T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2014-01-07T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-05-31T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2012-06-26T00:00:00.000Z, grade: 'B', score: 26 },

{ date: 2012-01-18T00:00:00.000Z, grade: 'C', score: 54 },

{ date: 2011-09-06T00:00:00.000Z, grade: 'B', score: 14 } ],

name: 'Cafe Espanol',

restaurant\_id: '40370759' }

{ \_id: ObjectId("617bd143bca94ace54c789ac"),

address:

{ building: '4801',

coord: [ -73.984858, 40.631394 ],

street: '16 Avenue',

zipcode: '11204' },

borough: 'Brooklyn',

cuisine: 'Jewish/Kosher',

grades:

[ { date: 2014-09-18T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-10-09T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-05-23T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2012-04-05T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2011-11-17T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'Dairy Luncheonette',

restaurant\_id: '40371684' }

1. Write a MongoDB query which will select the restaurant Id, name and grades for those restaurants which returns 0 as a remainder after dividing the score by 7.

db.addresses.find({"grades.score":{$mod:[7,0]}},{"restaurant\_id":1,"name":1,"grades":1})

{ \_id: ObjectId("617bd143bca94ace54c7887c"),

grades:

[ { date: 2014-04-21T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-11-12T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-06-04T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-11-14T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-10-11T00:00:00.000Z, grade: 'P', score: 0 },

{ date: 2012-05-24T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-12-08T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-07-20T00:00:00.000Z, grade: 'A', score: 11 } ],

name: 'Ho Mei Restaurant',

restaurant\_id: '40362432' }

{ \_id: ObjectId("617bd143bca94ace54c788fb"),

grades:

[ { date: 2014-09-25T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2014-05-14T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2013-11-12T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-06-04T00:00:00.000Z, grade: 'B', score: 20 },

{ date: 2012-12-05T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-06-27T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-11-28T00:00:00.000Z, grade: 'B', score: 26 } ],

name: 'Jardin De China Rest',

restaurant\_id: '40366543' }

{ \_id: ObjectId("617bd143bca94ace54c78905"),

grades:

[ { date: 2014-12-16T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2014-08-12T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-03-03T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2013-08-29T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-08-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-02-13T00:00:00.000Z, grade: 'B', score: 16 } ],

name: 'Munchtime',

restaurant\_id: '40366748' }

{ \_id: ObjectId("617bd143bca94ace54c78927"),

grades:

[ { date: 2014-07-30T00:00:00.000Z, grade: 'A', score: 6 },

{ date: 2013-05-23T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-10-04T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-09-04T00:00:00.000Z, grade: 'P', score: 9 },

{ date: 2012-02-23T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2011-09-12T00:00:00.000Z, grade: 'B', score: 24 } ],

name: 'Malaga Restaurant',

restaurant\_id: '40367544' }

{ \_id: ObjectId("617bd143bca94ace54c78978"),

grades:

[ { date: 2014-05-02T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-10-21T00:00:00.000Z, grade: 'B', score: 15 },

{ date: 2013-04-19T00:00:00.000Z, grade: 'B', score: 0 },

{ date: 2012-11-21T00:00:00.000Z, grade: 'C', score: 40 },

{ date: 2012-04-09T00:00:00.000Z, grade: 'B', score: 17 } ],

name: 'Viand Cafe',

restaurant\_id: '40369753' }

{ \_id: ObjectId("617bd143bca94ace54c78986"),

grades:

[ { date: 2014-12-31T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2014-03-18T00:00:00.000Z, grade: 'B', score: 21 },

{ date: 2013-09-25T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-04-10T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-08-30T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'The Dart Inn',

restaurant\_id: '40369983' }

{ \_id: ObjectId("617bd143bca94ace54c7899a"),

grades:

[ { date: 2014-08-05T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2014-01-07T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-05-31T00:00:00.000Z, grade: 'B', score: 25 },

{ date: 2012-06-26T00:00:00.000Z, grade: 'B', score: 26 },

{ date: 2012-01-18T00:00:00.000Z, grade: 'C', score: 54 },

{ date: 2011-09-06T00:00:00.000Z, grade: 'B', score: 14 } ],

name: 'Cafe Espanol',

restaurant\_id: '40370759' }

{ \_id: ObjectId("617bd143bca94ace54c789c3"),

grades:

[ { date: 2014-09-08T00:00:00.000Z, grade: 'A', score: 3 },

{ date: 2014-01-02T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-05-01T00:00:00.000Z, grade: 'B', score: 19 },

{ date: 2012-11-13T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-11-15T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2011-09-22T00:00:00.000Z, grade: 'A', score: 8 } ],

name: 'Burger King',

restaurant\_id: '40372618' }

{ \_id: ObjectId("617bd143bca94ace54c78a09"),

grades:

[ { date: 2014-03-12T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-07-31T00:00:00.000Z, grade: 'B', score: 14 },

{ date: 2013-02-04T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-07-09T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2011-12-08T00:00:00.000Z, grade: 'B', score: 22 },

{ date: 2011-06-27T00:00:00.000Z, grade: 'B', score: 21 } ],

name: 'Portofino',

restaurant\_id: '40376204' }

{ \_id: ObjectId("617bd143bca94ace54c78a2f"),

grades:

[ { date: 2014-04-29T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-09-05T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-01-22T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2012-06-11T00:00:00.000Z, grade: 'A', score: 2 } ],

name: 'Il Cantinori Restauraunt',

restaurant\_id: '40378571' }

{ \_id: ObjectId("617bd143bca94ace54c78a34"),

grades:

[ { date: 2014-01-30T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2013-06-06T00:00:00.000Z, grade: 'B', score: 15 },

{ date: 2012-05-17T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-01-04T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-09-06T00:00:00.000Z, grade: 'B', score: 21 },

{ date: 2011-04-12T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Fame Diner',

restaurant\_id: '40378774' }

{ \_id: ObjectId("617bd143bca94ace54c78a37"),

grades:

[ { date: 2014-08-15T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-03-17T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2013-01-31T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-08-07T00:00:00.000Z, grade: 'C', score: 56 },

{ date: 2011-12-28T00:00:00.000Z, grade: 'A', score: 10 } ],

name: 'Kosher Hut Of Brooklyn',

restaurant\_id: '40378827' }

{ \_id: ObjectId("617bd143bca94ace54c78883"),

grades:

[ { date: 2014-10-17T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-09-18T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-04-30T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-04-20T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2011-12-19T00:00:00.000Z, grade: 'A', score: 3 } ],

name: 'Olive\'S',

restaurant\_id: '40363151' }

{ \_id: ObjectId("617bd143bca94ace54c788c7"),

grades:

[ { date: 2015-01-15T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-07-07T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2014-01-14T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2013-07-19T00:00:00.000Z, grade: 'C', score: 29 },

{ date: 2013-02-05T00:00:00.000Z, grade: 'A', score: 12 } ],

name: 'The Princeton Club',

restaurant\_id: '40365361' }

{ \_id: ObjectId("617bd143bca94ace54c78920"),

grades:

[ { date: 2014-09-24T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2014-04-17T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-03-12T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2012-10-02T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2012-05-09T00:00:00.000Z, grade: 'A', score: 13 },

{ date: 2011-12-28T00:00:00.000Z, grade: 'B', score: 24 } ],

name: 'Zum Stammtisch',

restaurant\_id: '40367377' }

{ \_id: ObjectId("617bd143bca94ace54c7892d"),

grades:

[ { date: 2014-06-10T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2013-06-17T00:00:00.000Z, grade: 'A', score: 2 },

{ date: 2013-01-24T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-01-04T00:00:00.000Z, grade: 'A', score: 9 } ],

name: 'Griffis Faculty Club',

restaurant\_id: '40367752' }

{ \_id: ObjectId("617bd143bca94ace54c78957"),

grades:

[ { date: 2014-02-04T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-04-10T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2012-02-27T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2011-11-02T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2011-07-11T00:00:00.000Z, grade: 'A', score: 9 },

{ date: 2011-03-07T00:00:00.000Z, grade: 'C', score: 39 } ],

name: 'La Mangeoire',

restaurant\_id: '40368971' }

{ \_id: ObjectId("617bd143bca94ace54c78959"),

grades:

[ { date: 2014-09-09T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2014-04-14T00:00:00.000Z, grade: 'B', score: 24 },

{ date: 2013-10-15T00:00:00.000Z, grade: 'A', score: 11 },

{ date: 2013-04-17T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-10-18T00:00:00.000Z, grade: 'A', score: 4 },

{ date: 2012-05-18T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2011-10-21T00:00:00.000Z, grade: 'B', score: 18 } ],

name: 'Viand Coffee Shop',

restaurant\_id: '40369016' }

{ \_id: ObjectId("617bd143bca94ace54c78969"),

grades:

[ { date: 2014-10-14T00:00:00.000Z, grade: 'A', score: 5 },

{ date: 2014-04-01T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-08-01T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2012-11-19T00:00:00.000Z, grade: 'B', score: 27 },

{ date: 2011-11-01T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'Dan Tempura',

restaurant\_id: '40369495' }

{ \_id: ObjectId("617bd143bca94ace54c78997"),

grades:

[ { date: 2014-11-13T00:00:00.000Z, grade: 'Z', score: 25 },

{ date: 2014-04-29T00:00:00.000Z, grade: 'A', score: 7 },

{ date: 2013-09-17T00:00:00.000Z, grade: 'C', score: 35 },

{ date: 2013-02-19T00:00:00.000Z, grade: 'A', score: 10 },

{ date: 2012-06-12T00:00:00.000Z, grade: 'A', score: 12 },

{ date: 2011-12-22T00:00:00.000Z, grade: 'A', score: 13 } ],

name: 'The Players Club',

restaurant\_id: '40370507' }

1. Write a MongoDB query to find the restaurant name, borough, longitude and attitude and cuisine for those restaurants which contains 'mon' as three letters somewhere in its name.
2. Write a MongoDB query to find the restaurant name, borough, longitude and latitude and cuisine for those restaurants which contain 'Mad' as first three letters of its name.

db.addresses.find({name:{$regex:/^Mad/i}},{"name":1,"borough":1,"address.coord":1,"cuisine":1})

{ \_id: ObjectId("617bd145bca94ace54c78d9d"),

address: { coord: [ -73.9860597, 40.7431194 ] },

borough: 'Manhattan',

cuisine: 'American ',

name: 'Madison Square' }

{ \_id: ObjectId("617bd145bca94ace54c78e6b"),

address: { coord: [ -73.98302199999999, 40.742313 ] },

borough: 'Manhattan',

cuisine: 'Indian',

name: 'Madras Mahal' }

{ \_id: ObjectId("617bd146bca94ace54c79119"),

address: { coord: [ -74.000002, 40.72735 ] },

borough: 'Manhattan',

cuisine: 'American ',

name: 'Madame X' }

{ \_id: ObjectId("617bd146bca94ace54c791c9"),

address: { coord: [ -73.98171959999999, 40.7499406 ] },

borough: 'Manhattan',

cuisine: 'French',

name: 'Madison Bistro' }

{ \_id: ObjectId("617bd146bca94ace54c79252"),

address: { coord: [ -73.9717845, 40.6897199 ] },

borough: 'Brooklyn',

cuisine: 'African',

name: 'Madiba' }

{ \_id: ObjectId("617bd147bca94ace54c795d5"),

address: { coord: [ -73.9886598, 40.7565811 ] },

borough: 'Manhattan',

cuisine: 'Hotdogs',

name: 'Madame Tussaud\'S' }

{ \_id: ObjectId("617bd147bca94ace54c79557"),

address: { coord: [ -73.9040753, 40.9069011 ] },

borough: 'Bronx',

cuisine: 'Italian',

name: 'Madison\'S' }

{ \_id: ObjectId("617bd147bca94ace54c7960d"),

address: { coord: [ -73.95623719999999, 40.7761697 ] },

borough: 'Manhattan',

cuisine: 'American ',

name: 'Mad River Bar & Grille' }

Happy Coding!!!