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# Question 1. Create a database and load the data - 25 Point:

To import the data, use the following in command prompt:

mongoimport --db aaz7118\_db --collection restaurants --file restaurants.json

A screenshot of a computer

Description automatically generated with medium confidence

# Question 2. Write MongoDB queries for (4 points each): 100 points

## Instructions

To run this script, make sure you run this on command prompt to import the data:

`mongoimport --db aaz7118\_db --collection restaurants --file restaurants.json`

edit the above command at `--file <file relative path>` if the file is another directory or has another name.

You can then run the script using this command:

`mongo <q2\_verbose.js`

There are other versions of this script:

- q2\_pretty\_quiet.js: uses .pretty() to reformat output - without printed comments,

- q2\_quiet.js: does not use .pretty() to reformat output - without printed comments,

- q2\_pretty\_verbose.js: uses .pretty() to reformat output - with printed comments

The output of running q2\_pretty\_verbose.js has been copied into "aaz7118\_Assignment\_4.pdf" with indexing for each query.

NOTE: I could only get `mongo <q2\_verbose.js` to work on command prompt. It did not work on bash or PowerShell.

This was completed using MongoDB shell version v4.2.23

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switched to db aaz7118\_db

## 1. Count the number of documents in the collection.

> db.restaurants.count()

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## 2. Display all the documents in the collection.

> db.restaurants.find().pretty()

{ "\_id" : ObjectId("63968ca187cbddca1ca5260e"), "address" : { "building" : "469", "coord" : [ -73.961704, 40.662942 ], "street" : "Flatbush Avenue", "zipcode" : "11225" }, "borough" : "Brooklyn", "cuisine" : "Hamburgers", "grades" : [ { "date" : ISODate("2014-12-30T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2014-07-01T00:00:00Z"), "grade" : "B", "score" : 23 }, { "date" : ISODate("2013-04-30T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-05-08T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Wendy'S", "restaurant\_id" : "30112340" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5260f"), "address" : { "building" : "2206", "coord" : [ -74.1377286, 40.6119572 ], "street" : "Victory Boulevard", "zipcode" : "10314" }, "borough" : "Staten Island", "cuisine" : "Jewish/Kosher", "grades" : [ { "date" : ISODate("2014-10-06T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-05-20T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-04T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-01-24T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Kosher Island", "restaurant\_id" : "40356442" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52610"), "address" : { "building" : "97-22", "coord" : [ -73.8601152, 40.7311739 ], "street" : "63 Road", "zipcode" : "11374" }, "borough" : "Queens", "cuisine" : "Jewish/Kosher", "grades" : [ { "date" : ISODate("2014-11-24T00:00:00Z"), "grade" : "Z", "score" : 20 }, { "date" : ISODate("2013-01-17T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-08-02T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-12-15T00:00:00Z"), "grade" : "B", "score" : 25 } ], "name" : "Tov Kosher Kitchen", "restaurant\_id" : "40356068" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52611"), "address" : { "building" : "6409", "coord" : [ -74.00528899999999, 40.628886 ], "street" : "11 Avenue", "zipcode" : "11219" }, "borough" : "Brooklyn", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-07-18T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-07-30T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-02-13T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-08-16T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2011-08-17T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Regina Caterers", "restaurant\_id" : "40356649" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52612"), "address" : { "building" : "351", "coord" : [ -73.98513559999999, 40.7676919 ], "street" : "West 57 Street", "zipcode" : "10019" }, "borough" : "Manhattan", "cuisine" : "Irish", "grades" : [ { "date" : ISODate("2014-09-06T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-07-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-07-31T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-12-29T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Dj Reynolds Pub And Restaurant", "restaurant\_id" : "30191841" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52613"), "address" : { "building" : "8825", "coord" : [ -73.8803827, 40.7643124 ], "street" : "Astoria Boulevard", "zipcode" : "11369" }, "borough" : "Queens", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-11-15T00:00:00Z"), "grade" : "Z", "score" : 38 }, { "date" : ISODate("2014-05-02T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-03-02T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-02-10T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Brunos On The Boulevard", "restaurant\_id" : "40356151" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52614"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-28T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-06-19T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-06-15T00:00:00Z"), "grade" : "A", "score" : 3 } ], "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52615"), "address" : { "building" : "1839", "coord" : [ -73.9482609, 40.6408271 ], "street" : "Nostrand Avenue", "zipcode" : "11226" }, "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "grades" : [ { "date" : ISODate("2014-07-14T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-07-10T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-07-11T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2012-02-23T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "Taste The Tropics Ice Cream", "restaurant\_id" : "40356731" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52616"), "address" : { "building" : "7715", "coord" : [ -73.9973325, 40.61174889999999 ], "street" : "18 Avenue", "zipcode" : "11214" }, "borough" : "Brooklyn", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-04-16T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-04-23T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2012-04-24T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2011-12-16T00:00:00Z"), "grade" : "A", "score" : 2 } ], "name" : "C & C Catering Service", "restaurant\_id" : "40357437" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52617"), "address" : { "building" : "1", "coord" : [ -73.96926909999999, 40.7685235 ], "street" : "East 66 Street", "zipcode" : "10065" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-07T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-05-03T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-04-30T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2011-12-27T00:00:00Z"), "grade" : "A", "score" : 0 } ], "name" : "1 East 66Th Street Kitchen", "restaurant\_id" : "40359480" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52618"), "address" : { "building" : "2780", "coord" : [ -73.98241999999999, 40.579505 ], "street" : "Stillwell Avenue", "zipcode" : "11224" }, "borough" : "Brooklyn", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-10T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-06-05T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-04-13T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-10-12T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Riviera Caterer", "restaurant\_id" : "40356018" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52619"), "address" : { "building" : "203", "coord" : [ -73.97822040000001, 40.6435254 ], "street" : "Church Avenue", "zipcode" : "11218" }, "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "grades" : [ { "date" : ISODate("2014-02-10T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-01-02T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-09T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2011-11-07T00:00:00Z"), "grade" : "P", "score" : 12 }, { "date" : ISODate("2011-07-21T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Carvel Ice Cream", "restaurant\_id" : "40360076" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261a"), "address" : { "building" : "1269", "coord" : [ -73.871194, 40.6730975 ], "street" : "Sutter Avenue", "zipcode" : "11208" }, "borough" : "Brooklyn", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-09-16T00:00:00Z"), "grade" : "B", "score" : 21 }, { "date" : ISODate("2013-08-28T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-04-02T00:00:00Z"), "grade" : "C", "score" : 56 }, { "date" : ISODate("2012-08-15T00:00:00Z"), "grade" : "B", "score" : 27 }, { "date" : ISODate("2012-03-28T00:00:00Z"), "grade" : "B", "score" : 27 } ], "name" : "May May Kitchen", "restaurant\_id" : "40358429" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261b"), "address" : { "building" : "265-15", "coord" : [ -73.7032601, 40.7386417 ], "street" : "Hillside Avenue", "zipcode" : "11004" }, "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "grades" : [ { "date" : ISODate("2014-10-28T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-09-18T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-09-20T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Carvel Ice Cream", "restaurant\_id" : "40361322" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261c"), "address" : { "building" : "1007", "coord" : [ -73.856077, 40.848447 ], "street" : "Morris Park Ave", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-03-03T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-09-11T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2013-01-24T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-11-23T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-03-10T00:00:00Z"), "grade" : "B", "score" : 14 } ], "name" : "Morris Park Bake Shop", "restaurant\_id" : "30075445" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261d"), "address" : { "building" : "284", "coord" : [ -73.9829239, 40.6580753 ], "street" : "Prospect Park West", "zipcode" : "11215" }, "borough" : "Brooklyn", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-11-19T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-11-14T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2012-12-05T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-05-17T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "The Movable Feast", "restaurant\_id" : "40361606" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261e"), "address" : { "building" : "129-08", "coord" : [ -73.839297, 40.78147 ], "street" : "20 Avenue", "zipcode" : "11356" }, "borough" : "Queens", "cuisine" : "Delicatessen", "grades" : [ { "date" : ISODate("2014-08-16T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-08-27T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-09-20T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-09-29T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Sal'S Deli", "restaurant\_id" : "40361618" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261f"), "address" : { "building" : "522", "coord" : [ -73.95171, 40.767461 ], "street" : "East 74 Street", "zipcode" : "10021" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-09-02T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-12-19T00:00:00Z"), "grade" : "B", "score" : 16 }, { "date" : ISODate("2013-05-28T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-12-07T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-03-29T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Glorious Food", "restaurant\_id" : "40361521" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52620"), "address" : { "building" : "6909", "coord" : [ -74.0259567, 40.6353674 ], "street" : "3 Avenue", "zipcode" : "11209" }, "borough" : "Brooklyn", "cuisine" : "Delicatessen", "grades" : [ { "date" : ISODate("2014-08-21T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2014-03-05T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-01-10T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52621"), "address" : { "building" : "759", "coord" : [ -73.9925306, 40.7309346 ], "street" : "Broadway", "zipcode" : "10003" }, "borough" : "Manhattan", "cuisine" : "Delicatessen", "grades" : [ { "date" : ISODate("2014-01-21T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-01-04T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-06-07T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2012-01-17T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "Bully'S Deli", "restaurant\_id" : "40361708" }

Type "it" for more

## 3. Display: restaurant\_id, name, borough and cuisine for all the documents

> db.restaurants.find( { }, { restaurant\_id: 1, name: 1, borough: 1, cuisine: 1 } ).pretty()

{ "\_id" : ObjectId("63968ca187cbddca1ca5260e"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "Wendy'S", "restaurant\_id" : "30112340" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5260f"), "borough" : "Staten Island", "cuisine" : "Jewish/Kosher", "name" : "Kosher Island", "restaurant\_id" : "40356442" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52610"), "borough" : "Queens", "cuisine" : "Jewish/Kosher", "name" : "Tov Kosher Kitchen", "restaurant\_id" : "40356068" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52611"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Regina Caterers", "restaurant\_id" : "40356649" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52612"), "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dj Reynolds Pub And Restaurant", "restaurant\_id" : "30191841" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52613"), "borough" : "Queens", "cuisine" : "American ", "name" : "Brunos On The Boulevard", "restaurant\_id" : "40356151" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52614"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52615"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Taste The Tropics Ice Cream", "restaurant\_id" : "40356731" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52616"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "C & C Catering Service", "restaurant\_id" : "40357437" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52617"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "1 East 66Th Street Kitchen", "restaurant\_id" : "40359480" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52618"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Riviera Caterer", "restaurant\_id" : "40356018" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52619"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40360076" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261a"), "borough" : "Brooklyn", "cuisine" : "Chinese", "name" : "May May Kitchen", "restaurant\_id" : "40358429" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261b"), "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40361322" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261c"), "borough" : "Bronx", "cuisine" : "Bakery", "name" : "Morris Park Bake Shop", "restaurant\_id" : "30075445" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261d"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "The Movable Feast", "restaurant\_id" : "40361606" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261e"), "borough" : "Queens", "cuisine" : "Delicatessen", "name" : "Sal'S Deli", "restaurant\_id" : "40361618" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261f"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Glorious Food", "restaurant\_id" : "40361521" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52620"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52621"), "borough" : "Manhattan", "cuisine" : "Delicatessen", "name" : "Bully'S Deli", "restaurant\_id" : "40361708" }

Type "it" for more

## 4. Display: restaurant\_id, name, borough and cuisine, but exclude field \_id, for all the documents in the collection

> db.restaurants.find( { }, { \_id: 0, restaurant\_id: 1, name: 1, borough: 1, cuisine: 1 } ).pretty()

{ "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "Wendy'S", "restaurant\_id" : "30112340" }

{ "borough" : "Staten Island", "cuisine" : "Jewish/Kosher", "name" : "Kosher Island", "restaurant\_id" : "40356442" }

{ "borough" : "Queens", "cuisine" : "Jewish/Kosher", "name" : "Tov Kosher Kitchen", "restaurant\_id" : "40356068" }

{ "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Regina Caterers", "restaurant\_id" : "40356649" }

{ "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dj Reynolds Pub And Restaurant", "restaurant\_id" : "30191841" }

{ "borough" : "Queens", "cuisine" : "American ", "name" : "Brunos On The Boulevard", "restaurant\_id" : "40356151" }

{ "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Taste The Tropics Ice Cream", "restaurant\_id" : "40356731" }

{ "borough" : "Brooklyn", "cuisine" : "American ", "name" : "C & C Catering Service", "restaurant\_id" : "40357437" }

{ "borough" : "Manhattan", "cuisine" : "American ", "name" : "1 East 66Th Street Kitchen", "restaurant\_id" : "40359480" }

{ "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Riviera Caterer", "restaurant\_id" : "40356018" }

{ "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40360076" }

{ "borough" : "Brooklyn", "cuisine" : "Chinese", "name" : "May May Kitchen", "restaurant\_id" : "40358429" }

{ "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40361322" }

{ "borough" : "Bronx", "cuisine" : "Bakery", "name" : "Morris Park Bake Shop", "restaurant\_id" : "30075445" }

{ "borough" : "Brooklyn", "cuisine" : "American ", "name" : "The Movable Feast", "restaurant\_id" : "40361606" }

{ "borough" : "Queens", "cuisine" : "Delicatessen", "name" : "Sal'S Deli", "restaurant\_id" : "40361618" }

{ "borough" : "Manhattan", "cuisine" : "American ", "name" : "Glorious Food", "restaurant\_id" : "40361521" }

{ "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

{ "borough" : "Manhattan", "cuisine" : "Delicatessen", "name" : "Bully'S Deli", "restaurant\_id" : "40361708" }

Type "it" for more

## 5. Display: restaurant\_id, name, borough and zip code, exclude the field \_id for all the documents in the collection

> db.restaurants.find( { }, { \_id: 0, restaurant\_id: 1, name: 1, borough: 1, "address.zipcode": 1 } ).pretty()

{ "address" : { "zipcode" : "11225" }, "borough" : "Brooklyn", "name" : "Wendy'S", "restaurant\_id" : "30112340" }

{ "address" : { "zipcode" : "10314" }, "borough" : "Staten Island", "name" : "Kosher Island", "restaurant\_id" : "40356442" }

{ "address" : { "zipcode" : "11374" }, "borough" : "Queens", "name" : "Tov Kosher Kitchen", "restaurant\_id" : "40356068" }

{ "address" : { "zipcode" : "11219" }, "borough" : "Brooklyn", "name" : "Regina Caterers", "restaurant\_id" : "40356649" }

{ "address" : { "zipcode" : "10019" }, "borough" : "Manhattan", "name" : "Dj Reynolds Pub And Restaurant", "restaurant\_id" : "30191841" }

{ "address" : { "zipcode" : "11369" }, "borough" : "Queens", "name" : "Brunos On The Boulevard", "restaurant\_id" : "40356151" }

{ "address" : { "zipcode" : "10460" }, "borough" : "Bronx", "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "address" : { "zipcode" : "11226" }, "borough" : "Brooklyn", "name" : "Taste The Tropics Ice Cream", "restaurant\_id" : "40356731" }

{ "address" : { "zipcode" : "11214" }, "borough" : "Brooklyn", "name" : "C & C Catering Service", "restaurant\_id" : "40357437" }

{ "address" : { "zipcode" : "10065" }, "borough" : "Manhattan", "name" : "1 East 66Th Street Kitchen", "restaurant\_id" : "40359480" }

{ "address" : { "zipcode" : "11224" }, "borough" : "Brooklyn", "name" : "Riviera Caterer", "restaurant\_id" : "40356018" }

{ "address" : { "zipcode" : "11218" }, "borough" : "Brooklyn", "name" : "Carvel Ice Cream", "restaurant\_id" : "40360076" }

{ "address" : { "zipcode" : "11208" }, "borough" : "Brooklyn", "name" : "May May Kitchen", "restaurant\_id" : "40358429" }

{ "address" : { "zipcode" : "11004" }, "borough" : "Queens", "name" : "Carvel Ice Cream", "restaurant\_id" : "40361322" }

{ "address" : { "zipcode" : "10462" }, "borough" : "Bronx", "name" : "Morris Park Bake Shop", "restaurant\_id" : "30075445" }

{ "address" : { "zipcode" : "11215" }, "borough" : "Brooklyn", "name" : "The Movable Feast", "restaurant\_id" : "40361606" }

{ "address" : { "zipcode" : "11356" }, "borough" : "Queens", "name" : "Sal'S Deli", "restaurant\_id" : "40361618" }

{ "address" : { "zipcode" : "10021" }, "borough" : "Manhattan", "name" : "Glorious Food", "restaurant\_id" : "40361521" }

{ "address" : { "zipcode" : "11209" }, "borough" : "Brooklyn", "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

{ "address" : { "zipcode" : "10003" }, "borough" : "Manhattan", "name" : "Bully'S Deli", "restaurant\_id" : "40361708" }

Type "it" for more

## 6. Display all the restaurants in the Bronx

> db.restaurants.find({ borough: "Bronx" }).pretty()

{ "\_id" : ObjectId("63968ca187cbddca1ca52614"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-28T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-06-19T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-06-15T00:00:00Z"), "grade" : "A", "score" : 3 } ], "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261c"), "address" : { "building" : "1007", "coord" : [ -73.856077, 40.848447 ], "street" : "Morris Park Ave", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-03-03T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-09-11T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2013-01-24T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-11-23T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-03-10T00:00:00Z"), "grade" : "B", "score" : 14 } ], "name" : "Morris Park Bake Shop", "restaurant\_id" : "30075445" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5262d"), "address" : { "building" : "1006", "coord" : [ -73.84856870000002, 40.8903781 ], "street" : "East 233 Street", "zipcode" : "10466" }, "borough" : "Bronx", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "grades" : [ { "date" : ISODate("2014-04-24T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-09-05T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-02-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-07-03T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-07-11T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "Carvel Ice Cream", "restaurant\_id" : "40363093" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52630"), "address" : { "building" : "1236", "coord" : [ -73.8893654, 40.81376179999999 ], "street" : "238 Spofford Ave", "zipcode" : "10474" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2013-12-30T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-01-08T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-06-12T00:00:00Z"), "grade" : "B", "score" : 15 } ], "name" : "Happy Garden", "restaurant\_id" : "40363289" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52643"), "address" : { "building" : "277", "coord" : [ -73.8941893, 40.8634684 ], "street" : "East Kingsbridge Road", "zipcode" : "10458" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-03-03T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-09-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-03-19T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-08-29T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-08-17T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Happy Garden", "restaurant\_id" : "40364296" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52645"), "address" : { "building" : "658", "coord" : [ -73.81363999999999, 40.82941100000001 ], "street" : "Clarence Ave", "zipcode" : "10465" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-21T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2012-07-11T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Manhem Club", "restaurant\_id" : "40364363" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52663"), "address" : { "building" : "2222", "coord" : [ -73.84971759999999, 40.8304811 ], "street" : "Haviland Avenue", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-12-18T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-05-01T00:00:00Z"), "grade" : "B", "score" : 17 }, { "date" : ISODate("2013-03-14T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-09-20T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-02-08T00:00:00Z"), "grade" : "B", "score" : 19 } ], "name" : "The New Starling Athletic Club Of The Bronx", "restaurant\_id" : "40364956" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5267c"), "address" : { "building" : "72", "coord" : [ -73.92506, 40.8275556 ], "street" : "East 161 Street", "zipcode" : "10451" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-04-15T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-11-14T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2013-07-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-12-31T00:00:00Z"), "grade" : "B", "score" : 15 }, { "date" : ISODate("2012-05-30T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-09T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-08-15T00:00:00Z"), "grade" : "C", "score" : 37 } ], "name" : "Yankee Tavern", "restaurant\_id" : "40365499" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5268c"), "address" : { "building" : "331", "coord" : [ -73.87786539999999, 40.8724377 ], "street" : "East 204 Street", "zipcode" : "10467" }, "borough" : "Bronx", "cuisine" : "Irish", "grades" : [ { "date" : ISODate("2014-08-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-03-26T00:00:00Z"), "grade" : "B", "score" : 23 }, { "date" : ISODate("2013-09-11T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-12-18T00:00:00Z"), "grade" : "B", "score" : 27 }, { "date" : ISODate("2011-10-20T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Mcdwyers Pub", "restaurant\_id" : "40365893" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526a3"), "address" : { "building" : "5820", "coord" : [ -73.9002615, 40.885186 ], "street" : "Broadway", "zipcode" : "10463" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-02-26T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-10-09T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2013-05-15T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-11-20T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2011-10-17T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-06-22T00:00:00Z"), "grade" : "C", "score" : 35 } ], "name" : "The Punch Bowl", "restaurant\_id" : "40366497" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526b0"), "address" : { "building" : "21", "coord" : [ -73.9168424, 40.8401362 ], "street" : "East 170 Street", "zipcode" : "10452" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-12-16T00:00:00Z"), "grade" : "B", "score" : 22 }, { "date" : ISODate("2014-08-12T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-03-03T00:00:00Z"), "grade" : "B", "score" : 22 }, { "date" : ISODate("2013-08-29T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-08-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-02-13T00:00:00Z"), "grade" : "B", "score" : 16 } ], "name" : "Munchtime", "restaurant\_id" : "40366748" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526b6"), "address" : { "building" : "1191", "coord" : [ -73.8513114, 40.8316981 ], "street" : "Castle Hill Avenue", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "Café/Coffee/Tea", "grades" : [ { "date" : ISODate("2014-07-03T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-07-08T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-02-11T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-08-14T00:00:00Z"), "grade" : "B", "score" : 14 }, { "date" : ISODate("2011-08-23T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Lulu'S Coffee Shop", "restaurant\_id" : "40366938" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526b8"), "address" : { "building" : "4340", "coord" : [ -73.8194559, 40.8899176 ], "street" : "Boston Road", "zipcode" : "10475" }, "borough" : "Bronx", "cuisine" : "Pancakes/Waffles", "grades" : [ { "date" : ISODate("2014-09-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2014-05-16T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-10-30T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-06-05T00:00:00Z"), "grade" : "B", "score" : 24 }, { "date" : ISODate("2012-05-14T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-04T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Ihop", "restaurant\_id" : "40366833" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526be"), "address" : { "building" : "2894", "coord" : [ -73.815175, 40.8137649 ], "street" : "Schurz Ave", "zipcode" : "10465" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-10-31T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2014-02-20T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2013-06-07T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-05-17T00:00:00Z"), "grade" : "A", "score" : 2 } ], "name" : "Marina Delray", "restaurant\_id" : "40367161" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526e2"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "Café/Coffee/Tea", "grades" : [ { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-05-29T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-06-18T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "Terrace Cafe", "restaurant\_id" : "40368018" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526e3"), "address" : { "building" : "4280", "coord" : [ -73.86697, 40.89794699999999 ], "street" : "Katonah Ave", "zipcode" : "10470" }, "borough" : "Bronx", "cuisine" : "Not Listed/Not Applicable", "grades" : [ { "date" : ISODate("2014-06-04T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-06-07T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2012-06-27T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2011-07-13T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "The Lark'S Nest", "restaurant\_id" : "40367946" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526e4"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "African", "grades" : [ { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-06-01T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2012-06-12T00:00:00Z"), "grade" : "A", "score" : 0 }, { "date" : ISODate("2011-06-08T00:00:00Z"), "grade" : "A", "score" : 0 } ], "name" : "African Terrace", "restaurant\_id" : "40368021" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526e8"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-05-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-06-15T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2011-06-08T00:00:00Z"), "grade" : "A", "score" : 0 } ], "name" : "Beaver Pond", "restaurant\_id" : "40368025" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526e9"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-05-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-05-17T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-06-08T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "Cool Zone", "restaurant\_id" : "40368022" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526eb"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-05-28T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2012-06-18T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2011-06-07T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "African Market (Baboon Cafe)", "restaurant\_id" : "40368026" }

Type "it" for more

## 7. Display the first 5 restaurants in the Bronx

> db.restaurants.find({ borough: "Bronx" }).limit(5).pretty()

{ "\_id" : ObjectId("63968ca187cbddca1ca52614"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-28T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-06-19T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-06-15T00:00:00Z"), "grade" : "A", "score" : 3 } ], "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261c"), "address" : { "building" : "1007", "coord" : [ -73.856077, 40.848447 ], "street" : "Morris Park Ave", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-03-03T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-09-11T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2013-01-24T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-11-23T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-03-10T00:00:00Z"), "grade" : "B", "score" : 14 } ], "name" : "Morris Park Bake Shop", "restaurant\_id" : "30075445" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5262d"), "address" : { "building" : "1006", "coord" : [ -73.84856870000002, 40.8903781 ], "street" : "East 233 Street", "zipcode" : "10466" }, "borough" : "Bronx", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "grades" : [ { "date" : ISODate("2014-04-24T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-09-05T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-02-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-07-03T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-07-11T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "Carvel Ice Cream", "restaurant\_id" : "40363093" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52630"), "address" : { "building" : "1236", "coord" : [ -73.8893654, 40.81376179999999 ], "street" : "238 Spofford Ave", "zipcode" : "10474" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2013-12-30T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-01-08T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-06-12T00:00:00Z"), "grade" : "B", "score" : 15 } ], "name" : "Happy Garden", "restaurant\_id" : "40363289" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52643"), "address" : { "building" : "277", "coord" : [ -73.8941893, 40.8634684 ], "street" : "East Kingsbridge Road", "zipcode" : "10458" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-03-03T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-09-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-03-19T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-08-29T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-08-17T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Happy Garden", "restaurant\_id" : "40364296" }

## 8. Display the second 5 restaurants (skipping the first 5) in the Bronx

> db.restaurants.find({ borough: "Bronx" }).limit(5).skip(5).pretty()

{ "\_id" : ObjectId("63968ca187cbddca1ca52645"), "address" : { "building" : "658", "coord" : [ -73.81363999999999, 40.82941100000001 ], "street" : "Clarence Ave", "zipcode" : "10465" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-21T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2012-07-11T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Manhem Club", "restaurant\_id" : "40364363" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52663"), "address" : { "building" : "2222", "coord" : [ -73.84971759999999, 40.8304811 ], "street" : "Haviland Avenue", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-12-18T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-05-01T00:00:00Z"), "grade" : "B", "score" : 17 }, { "date" : ISODate("2013-03-14T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-09-20T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-02-08T00:00:00Z"), "grade" : "B", "score" : 19 } ], "name" : "The New Starling Athletic Club Of The Bronx", "restaurant\_id" : "40364956" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5267c"), "address" : { "building" : "72", "coord" : [ -73.92506, 40.8275556 ], "street" : "East 161 Street", "zipcode" : "10451" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-04-15T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-11-14T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2013-07-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-12-31T00:00:00Z"), "grade" : "B", "score" : 15 }, { "date" : ISODate("2012-05-30T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-09T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-08-15T00:00:00Z"), "grade" : "C", "score" : 37 } ], "name" : "Yankee Tavern", "restaurant\_id" : "40365499" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5268c"), "address" : { "building" : "331", "coord" : [ -73.87786539999999, 40.8724377 ], "street" : "East 204 Street", "zipcode" : "10467" }, "borough" : "Bronx", "cuisine" : "Irish", "grades" : [ { "date" : ISODate("2014-08-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-03-26T00:00:00Z"), "grade" : "B", "score" : 23 }, { "date" : ISODate("2013-09-11T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-12-18T00:00:00Z"), "grade" : "B", "score" : 27 }, { "date" : ISODate("2011-10-20T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Mcdwyers Pub", "restaurant\_id" : "40365893" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526a3"), "address" : { "building" : "5820", "coord" : [ -73.9002615, 40.885186 ], "street" : "Broadway", "zipcode" : "10463" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-02-26T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-10-09T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2013-05-15T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-11-20T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2011-10-17T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-06-22T00:00:00Z"), "grade" : "C", "score" : 35 } ], "name" : "The Punch Bowl", "restaurant\_id" : "40366497" }

## 9. Find the restaurants with a score more than 85

> db.restaurants.find({ "grades.score": { $gt: 85 } }).pretty()

{ "\_id" : ObjectId("63968ca187cbddca1ca5276a"), "address" : { "building" : "65", "coord" : [ -73.9782725, 40.7624022 ], "street" : "West 54 Street", "zipcode" : "10019" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-08-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2014-03-28T00:00:00Z"), "grade" : "C", "score" : 131 }, { "date" : ISODate("2013-09-25T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-04-08T00:00:00Z"), "grade" : "B", "score" : 25 }, { "date" : ISODate("2012-10-15T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-10-19T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Murals On 54/Randolphs'S", "restaurant\_id" : "40372466" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52810"), "address" : { "building" : "345", "coord" : [ -73.9864626, 40.7266739 ], "street" : "East 6 Street", "zipcode" : "10003" }, "borough" : "Manhattan", "cuisine" : "Indian", "grades" : [ { "date" : ISODate("2014-09-15T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2014-01-14T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-05-30T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-24T00:00:00Z"), "grade" : "P", "score" : 2 }, { "date" : ISODate("2012-10-01T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-04-06T00:00:00Z"), "grade" : "C", "score" : 92 }, { "date" : ISODate("2011-11-03T00:00:00Z"), "grade" : "C", "score" : 41 } ], "name" : "Gandhi", "restaurant\_id" : "40381295" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52970"), "address" : { "building" : "130", "coord" : [ -73.984758, 40.7457939 ], "street" : "Madison Avenue", "zipcode" : "10016" }, "borough" : "Manhattan", "cuisine" : "Pizza/Italian", "grades" : [ { "date" : ISODate("2014-12-24T00:00:00Z"), "grade" : "Z", "score" : 31 }, { "date" : ISODate("2014-06-17T00:00:00Z"), "grade" : "C", "score" : 98 }, { "date" : ISODate("2013-12-12T00:00:00Z"), "grade" : "C", "score" : 32 }, { "date" : ISODate("2013-05-22T00:00:00Z"), "grade" : "B", "score" : 21 }, { "date" : ISODate("2012-05-02T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Bella Napoli", "restaurant\_id" : "40393488" }

{ "\_id" : ObjectId("63968ca187cbddca1ca531d9"), "address" : { "building" : "", "coord" : [ -74.0163793, 40.7167671 ], "street" : "Hudson River", "zipcode" : "10282" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-27T00:00:00Z"), "grade" : "C", "score" : 89 }, { "date" : ISODate("2013-06-06T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2012-06-19T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "West 79Th Street Boat Basin Cafe", "restaurant\_id" : "40756344" }

## 10. Find the restaurants that achieved a score, more than 80 but less than 100

> db.restaurants.find({ grades: { $elemMatch: { score: { $gt: 80, $lte: 100 } } } }).pretty()

{ "\_id" : ObjectId("63968ca187cbddca1ca5276a"), "address" : { "building" : "65", "coord" : [ -73.9782725, 40.7624022 ], "street" : "West 54 Street", "zipcode" : "10019" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-08-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2014-03-28T00:00:00Z"), "grade" : "C", "score" : 131 }, { "date" : ISODate("2013-09-25T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-04-08T00:00:00Z"), "grade" : "B", "score" : 25 }, { "date" : ISODate("2012-10-15T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-10-19T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Murals On 54/Randolphs'S", "restaurant\_id" : "40372466" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52810"), "address" : { "building" : "345", "coord" : [ -73.9864626, 40.7266739 ], "street" : "East 6 Street", "zipcode" : "10003" }, "borough" : "Manhattan", "cuisine" : "Indian", "grades" : [ { "date" : ISODate("2014-09-15T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2014-01-14T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-05-30T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-24T00:00:00Z"), "grade" : "P", "score" : 2 }, { "date" : ISODate("2012-10-01T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-04-06T00:00:00Z"), "grade" : "C", "score" : 92 }, { "date" : ISODate("2011-11-03T00:00:00Z"), "grade" : "C", "score" : 41 } ], "name" : "Gandhi", "restaurant\_id" : "40381295" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52970"), "address" : { "building" : "130", "coord" : [ -73.984758, 40.7457939 ], "street" : "Madison Avenue", "zipcode" : "10016" }, "borough" : "Manhattan", "cuisine" : "Pizza/Italian", "grades" : [ { "date" : ISODate("2014-12-24T00:00:00Z"), "grade" : "Z", "score" : 31 }, { "date" : ISODate("2014-06-17T00:00:00Z"), "grade" : "C", "score" : 98 }, { "date" : ISODate("2013-12-12T00:00:00Z"), "grade" : "C", "score" : 32 }, { "date" : ISODate("2013-05-22T00:00:00Z"), "grade" : "B", "score" : 21 }, { "date" : ISODate("2012-05-02T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Bella Napoli", "restaurant\_id" : "40393488" }

{ "\_id" : ObjectId("63968ca187cbddca1ca531d9"), "address" : { "building" : "", "coord" : [ -74.0163793, 40.7167671 ], "street" : "Hudson River", "zipcode" : "10282" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-27T00:00:00Z"), "grade" : "C", "score" : 89 }, { "date" : ISODate("2013-06-06T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2012-06-19T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "West 79Th Street Boat Basin Cafe", "restaurant\_id" : "40756344" }

## 11. Find the restaurants which locate in longitude value less than -95.754168

> db.restaurants.find({ "address.coord.0": { $lt: -95.754168 } }).pretty()

{ "\_id" : ObjectId("63968ca187cbddca1ca52c54"), "address" : { "building" : "3707", "coord" : [ -101.8945214, 33.5197474 ], "street" : "82 Street", "zipcode" : "11372" }, "borough" : "Queens", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-04T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-11-07T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2013-05-17T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-08-29T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-04-03T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-11-16T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Burger King", "restaurant\_id" : "40534067" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52fc0"), "address" : { "building" : "15259", "coord" : [ -119.6368672, 36.2504996 ], "street" : "10 Avenue", "zipcode" : "11357" }, "borough" : "Queens", "cuisine" : "Italian", "grades" : [ { "date" : ISODate("2014-09-04T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2014-03-26T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-03-04T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-09-27T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-04-20T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-11-23T00:00:00Z"), "grade" : "C", "score" : 34 } ], "name" : "Cascarino'S", "restaurant\_id" : "40668681" }

{ "\_id" : ObjectId("63968ca187cbddca1ca53465"), "address" : { "building" : "60", "coord" : [ -111.9975205, 42.0970258 ], "street" : "West Side Highway", "zipcode" : "10006" }, "borough" : "Manhattan", "cuisine" : "Japanese", "grades" : [ { "date" : ISODate("2014-03-20T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-06-28T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-07-05T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-07-27T00:00:00Z"), "grade" : "A", "score" : 2 } ], "name" : "Sports Center At Chelsea Piers (Sushi Bar)", "restaurant\_id" : "40882356" }

## 12. Find the restaurants that do not prepare any cuisine of 'American' and their grade score more than 70 and longitude less than -65.754168

> db.restaurants.find({ $and: [{ cuisine: { $ne: "American " } }, { "address.coord.0": { $lt: -65.754168 } }, { "grades.score": { $gt: 70 } }] }).pretty()

{ "\_id" : ObjectId("63968ca187cbddca1ca52810"), "address" : { "building" : "345", "coord" : [ -73.9864626, 40.7266739 ], "street" : "East 6 Street", "zipcode" : "10003" }, "borough" : "Manhattan", "cuisine" : "Indian", "grades" : [ { "date" : ISODate("2014-09-15T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2014-01-14T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-05-30T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-24T00:00:00Z"), "grade" : "P", "score" : 2 }, { "date" : ISODate("2012-10-01T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-04-06T00:00:00Z"), "grade" : "C", "score" : 92 }, { "date" : ISODate("2011-11-03T00:00:00Z"), "grade" : "C", "score" : 41 } ], "name" : "Gandhi", "restaurant\_id" : "40381295" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52970"), "address" : { "building" : "130", "coord" : [ -73.984758, 40.7457939 ], "street" : "Madison Avenue", "zipcode" : "10016" }, "borough" : "Manhattan", "cuisine" : "Pizza/Italian", "grades" : [ { "date" : ISODate("2014-12-24T00:00:00Z"), "grade" : "Z", "score" : 31 }, { "date" : ISODate("2014-06-17T00:00:00Z"), "grade" : "C", "score" : 98 }, { "date" : ISODate("2013-12-12T00:00:00Z"), "grade" : "C", "score" : 32 }, { "date" : ISODate("2013-05-22T00:00:00Z"), "grade" : "B", "score" : 21 }, { "date" : ISODate("2012-05-02T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Bella Napoli", "restaurant\_id" : "40393488" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52980"), "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" : ISODate("2014-04-10T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-10-01T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2013-04-11T00:00:00Z"), "grade" : "B", "score" : 25 }, { "date" : ISODate("2012-10-25T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-10-10T00:00:00Z"), "grade" : "P", "score" : 12 }, { "date" : ISODate("2012-05-25T00:00:00Z"), "grade" : "B", "score" : 14 }, { "date" : ISODate("2011-09-14T00:00:00Z"), "grade" : "B", "score" : 26 }, { "date" : ISODate("2011-04-25T00:00:00Z"), "grade" : "C", "score" : 76 } ], "name" : "El Molino Rojo Restaurant", "restaurant\_id" : "40393688" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52ac8"), "address" : { "building" : "289", "coord" : [ -73.94610279999999, 40.7137587 ], "street" : "Manhattan Avenue", "zipcode" : "11211" }, "borough" : "Brooklyn", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-03-19T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-10-10T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-05-07T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-09-11T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2012-04-18T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-09-27T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2011-05-03T00:00:00Z"), "grade" : "C", "score" : 77 } ], "name" : "Fortunato Bros Cafe & Bakery", "restaurant\_id" : "40400561" }

{ "\_id" : ObjectId("63968ca187cbddca1ca530f5"), "address" : { "building" : "231", "coord" : [ -73.9772294, 40.7527262 ], "street" : "Grand Central Station", "zipcode" : "10017" }, "borough" : "Manhattan", "cuisine" : "Italian", "grades" : [ { "date" : ISODate("2015-01-07T00:00:00Z"), "grade" : "Z", "score" : 20 }, { "date" : ISODate("2014-07-03T00:00:00Z"), "grade" : "B", "score" : 14 }, { "date" : ISODate("2013-12-21T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-05-17T00:00:00Z"), "grade" : "C", "score" : 76 }, { "date" : ISODate("2012-04-20T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Two Boots Grand Central", "restaurant\_id" : "40725591" }

## 13. 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. (without using $and operator)

> db.restaurants.find({ $nor: [{ cuisine: "American " }, { "address.coord.0": { $gte: -65.754168 } }, { "grades.score": {$not: { $gt: 70 }}}] }).pretty()

{ "\_id" : ObjectId("63968ca187cbddca1ca52810"), "address" : { "building" : "345", "coord" : [ -73.9864626, 40.7266739 ], "street" : "East 6 Street", "zipcode" : "10003" }, "borough" : "Manhattan", "cuisine" : "Indian", "grades" : [ { "date" : ISODate("2014-09-15T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2014-01-14T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-05-30T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-24T00:00:00Z"), "grade" : "P", "score" : 2 }, { "date" : ISODate("2012-10-01T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-04-06T00:00:00Z"), "grade" : "C", "score" : 92 }, { "date" : ISODate("2011-11-03T00:00:00Z"), "grade" : "C", "score" : 41 } ], "name" : "Gandhi", "restaurant\_id" : "40381295" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52970"), "address" : { "building" : "130", "coord" : [ -73.984758, 40.7457939 ], "street" : "Madison Avenue", "zipcode" : "10016" }, "borough" : "Manhattan", "cuisine" : "Pizza/Italian", "grades" : [ { "date" : ISODate("2014-12-24T00:00:00Z"), "grade" : "Z", "score" : 31 }, { "date" : ISODate("2014-06-17T00:00:00Z"), "grade" : "C", "score" : 98 }, { "date" : ISODate("2013-12-12T00:00:00Z"), "grade" : "C", "score" : 32 }, { "date" : ISODate("2013-05-22T00:00:00Z"), "grade" : "B", "score" : 21 }, { "date" : ISODate("2012-05-02T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Bella Napoli", "restaurant\_id" : "40393488" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52980"), "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" : ISODate("2014-04-10T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-10-01T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2013-04-11T00:00:00Z"), "grade" : "B", "score" : 25 }, { "date" : ISODate("2012-10-25T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-10-10T00:00:00Z"), "grade" : "P", "score" : 12 }, { "date" : ISODate("2012-05-25T00:00:00Z"), "grade" : "B", "score" : 14 }, { "date" : ISODate("2011-09-14T00:00:00Z"), "grade" : "B", "score" : 26 }, { "date" : ISODate("2011-04-25T00:00:00Z"), "grade" : "C", "score" : 76 } ], "name" : "El Molino Rojo Restaurant", "restaurant\_id" : "40393688" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52ac8"), "address" : { "building" : "289", "coord" : [ -73.94610279999999, 40.7137587 ], "street" : "Manhattan Avenue", "zipcode" : "11211" }, "borough" : "Brooklyn", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-03-19T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-10-10T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-05-07T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-09-11T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2012-04-18T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-09-27T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2011-05-03T00:00:00Z"), "grade" : "C", "score" : 77 } ], "name" : "Fortunato Bros Cafe & Bakery", "restaurant\_id" : "40400561" }

{ "\_id" : ObjectId("63968ca187cbddca1ca530f5"), "address" : { "building" : "231", "coord" : [ -73.9772294, 40.7527262 ], "street" : "Grand Central Station", "zipcode" : "10017" }, "borough" : "Manhattan", "cuisine" : "Italian", "grades" : [ { "date" : ISODate("2015-01-07T00:00:00Z"), "grade" : "Z", "score" : 20 }, { "date" : ISODate("2014-07-03T00:00:00Z"), "grade" : "B", "score" : 14 }, { "date" : ISODate("2013-12-21T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-05-17T00:00:00Z"), "grade" : "C", "score" : 76 }, { "date" : ISODate("2012-04-20T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Two Boots Grand Central", "restaurant\_id" : "40725591" }

## 14. Find the restaurants which do not prepare any cuisine of 'American ' and achieved a grade point 'A' and not in the borough of Brooklyn, sorted by cuisine in descending order.

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

{ "\_id" : ObjectId("63968ca187cbddca1ca52d19"), "address" : { "building" : "89", "coord" : [ -73.9995899, 40.7168015 ], "street" : "Baxter Street", "zipcode" : "10013" }, "borough" : "Manhattan", "cuisine" : "Vietnamese/Cambodian/Malaysia", "grades" : [ { "date" : ISODate("2014-08-21T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-08-31T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-04-11T00:00:00Z"), "grade" : "C", "score" : 3 }, { "date" : ISODate("2012-10-17T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-05-15T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Thai Son", "restaurant\_id" : "40559606" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52dd2"), "address" : { "building" : "8278", "coord" : [ -73.88143509999999, 40.7412552 ], "street" : "Broadway", "zipcode" : "11373" }, "borough" : "Queens", "cuisine" : "Vietnamese/Cambodian/Malaysia", "grades" : [ { "date" : ISODate("2014-06-12T00:00:00Z"), "grade" : "B", "score" : 21 }, { "date" : ISODate("2013-05-20T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-12-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-12-03T00:00:00Z"), "grade" : "P", "score" : 5 }, { "date" : ISODate("2012-05-04T00:00:00Z"), "grade" : "B", "score" : 27 } ], "name" : "Pho Bac Vietnamese Seafood Cuisine", "restaurant\_id" : "40578058" }

{ "\_id" : ObjectId("63968ca187cbddca1ca531b9"), "address" : { "building" : "148", "coord" : [ -74.000254, 40.7172727 ], "street" : "Centre Street", "zipcode" : "10013" }, "borough" : "Manhattan", "cuisine" : "Vietnamese/Cambodian/Malaysia", "grades" : [ { "date" : ISODate("2014-10-01T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-05-19T00:00:00Z"), "grade" : "C", "score" : 5 }, { "date" : ISODate("2013-11-15T00:00:00Z"), "grade" : "B", "score" : 14 }, { "date" : ISODate("2013-03-08T00:00:00Z"), "grade" : "B", "score" : 25 }, { "date" : ISODate("2012-05-22T00:00:00Z"), "grade" : "B", "score" : 23 }, { "date" : ISODate("2011-10-27T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Nha-Trang Centre Vietnam Restaurant", "restaurant\_id" : "40751226" }

{ "\_id" : ObjectId("63968ca187cbddca1ca528b9"), "address" : { "building" : "300", "coord" : [ -73.985568, 40.7307496 ], "street" : "East 12 Street", "zipcode" : "10003" }, "borough" : "Manhattan", "cuisine" : "Vegetarian", "grades" : [ { "date" : ISODate("2014-02-05T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-04-24T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2012-01-17T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-07-25T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Angelica Kitchen", "restaurant\_id" : "40388281" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52a70"), "address" : { "building" : "1307", "coord" : [ -73.9589834, 40.77141839999999 ], "street" : "3 Avenue", "zipcode" : "10021" }, "borough" : "Manhattan", "cuisine" : "Vegetarian", "grades" : [ { "date" : ISODate("2014-12-03T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-02-18T00:00:00Z"), "grade" : "B", "score" : 22 }, { "date" : ISODate("2013-06-25T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-06-28T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Candle Cafe", "restaurant\_id" : "40399007" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52bd7"), "address" : { "building" : "547", "coord" : [ -92.7292446, 41.7461746 ], "street" : "6 Avenue", "zipcode" : "10011" }, "borough" : "Manhattan", "cuisine" : "Vegetarian", "grades" : [ { "date" : ISODate("2014-09-26T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-04-07T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-10-03T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-09-10T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-04-30T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-11-30T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Village Yogurt", "restaurant\_id" : "40512123" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52c7c"), "address" : { "building" : "46", "coord" : [ -74.000252, 40.7356228 ], "street" : "Greenwich Avenue", "zipcode" : "10011" }, "borough" : "Manhattan", "cuisine" : "Vegetarian", "grades" : [ { "date" : ISODate("2014-07-01T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-12-31T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-05-24T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-10-11T00:00:00Z"), "grade" : "A", "score" : 6 } ], "name" : "Village Natural", "restaurant\_id" : "40536786" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52f1e"), "address" : { "building" : "405", "coord" : [ -73.98565239999999, 40.7263767 ], "street" : "East 6 Street", "zipcode" : "10009" }, "borough" : "Manhattan", "cuisine" : "Vegetarian", "grades" : [ { "date" : ISODate("2014-09-29T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-01-27T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2013-07-31T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-02-26T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2012-08-06T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-19T00:00:00Z"), "grade" : "B", "score" : 22 } ], "name" : "Caravan Of Dreams", "restaurant\_id" : "40635781" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52f41"), "address" : { "building" : "646", "coord" : [ -73.97279, 40.791289 ], "street" : "Amsterdam Avenue", "zipcode" : "10025" }, "borough" : "Manhattan", "cuisine" : "Vegetarian", "grades" : [ { "date" : ISODate("2014-02-19T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-11-29T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-10-03T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-04-11T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Mana", "restaurant\_id" : "40644922" }

{ "\_id" : ObjectId("63968ca187cbddca1ca533c8"), "address" : { "building" : "140", "coord" : [ -74.0004534, 40.7311503 ], "street" : "West 4 Street", "zipcode" : "10012" }, "borough" : "Manhattan", "cuisine" : "Vegetarian", "grades" : [ { "date" : ISODate("2014-06-30T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-06-13T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-01-28T00:00:00Z"), "grade" : "C", "score" : 54 }, { "date" : ISODate("2012-06-21T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2012-01-25T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Red Bamboo", "restaurant\_id" : "40861201" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52629"), "address" : { "building" : "60", "coord" : [ -74.0085357, 40.70620539999999 ], "street" : "Wall Street", "zipcode" : "10005" }, "borough" : "Manhattan", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-09-26T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-09-18T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-09-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-05-09T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "The Country Cafe", "restaurant\_id" : "40362715" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52a84"), "address" : { "building" : "386", "coord" : [ -73.981366, 40.741888 ], "street" : "3 Avenue", "zipcode" : "10016" }, "borough" : "Manhattan", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-09-23T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-10-01T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-09-10T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "Turkish Kitchen", "restaurant\_id" : "40399372" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52d16"), "address" : { "building" : "1405", "coord" : [ -73.95796530000001, 40.7697258 ], "street" : "Second Avenue", "zipcode" : "10021" }, "borough" : "Manhattan", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-10-23T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-03-20T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-08-28T00:00:00Z"), "grade" : "B", "score" : 21 }, { "date" : ISODate("2012-12-05T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-10-27T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Uskudar Restaurant", "restaurant\_id" : "40559172" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52d1c"), "address" : { "building" : "64", "coord" : [ -73.9788293, 40.7765158 ], "street" : "West 71 Street", "zipcode" : "10023" }, "borough" : "Manhattan", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-09-04T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-02-07T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-04-18T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-07-25T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-02-01T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Pasha Turkish Restaurant", "restaurant\_id" : "40559546" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52eae"), "address" : { "building" : "25505", "coord" : [ -73.734503, 40.772264 ], "street" : "Northern Boulevard", "zipcode" : "11362" }, "borough" : "Queens", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-12-29T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-04-24T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-09-25T00:00:00Z"), "grade" : "B", "score" : 17 }, { "date" : ISODate("2013-02-20T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Kebab House", "restaurant\_id" : "40608102" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52fbd"), "address" : { "building" : "631", "coord" : [ -73.991755, 40.760138 ], "street" : "9 Avenue", "zipcode" : "10036" }, "borough" : "Manhattan", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-06-10T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-12-30T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-24T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-09-18T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-02-22T00:00:00Z"), "grade" : "B", "score" : 20 } ], "name" : "Turkish Cuisine", "restaurant\_id" : "40668464" }

{ "\_id" : ObjectId("63968ca187cbddca1ca531ad"), "address" : { "building" : "2637", "coord" : [ -73.970573, 40.797339 ], "street" : "Broadway", "zipcode" : "10025" }, "borough" : "Manhattan", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-06-27T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-29T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-04-19T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-10-05T00:00:00Z"), "grade" : "B", "score" : 15 } ], "name" : "Turkuaz Turkish Cuisine", "restaurant\_id" : "40749081" }

{ "\_id" : ObjectId("63968ca187cbddca1ca532d5"), "address" : { "building" : "513", "coord" : [ -73.978636, 40.74148 ], "street" : "2 Avenue", "zipcode" : "10016" }, "borough" : "Manhattan", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-10-22T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-05-08T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-11-19T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-04-03T00:00:00Z"), "grade" : "B", "score" : 26 }, { "date" : ISODate("2012-02-21T00:00:00Z"), "grade" : "A", "score" : 4 } ], "name" : "Saharas Turkish Cuisine", "restaurant\_id" : "40815015" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5278e"), "address" : { "building" : "244", "coord" : [ -73.9865289, 40.7606981 ], "street" : "West 48 Street", "zipcode" : "10036" }, "borough" : "Manhattan", "cuisine" : "Thai", "grades" : [ { "date" : ISODate("2014-08-13T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-01-14T00:00:00Z"), "grade" : "B", "score" : 24 }, { "date" : ISODate("2013-07-25T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-01-10T00:00:00Z"), "grade" : "C", "score" : 4 }, { "date" : ISODate("2012-06-18T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-02-17T00:00:00Z"), "grade" : "P", "score" : 6 } ], "name" : "Pongsri Thai Restaurant", "restaurant\_id" : "40374088" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5295e"), "address" : { "building" : "396", "coord" : [ -73.9809909, 40.7422324 ], "street" : "Third Avenue", "zipcode" : "10016" }, "borough" : "Manhattan", "cuisine" : "Thai", "grades" : [ { "date" : ISODate("2014-10-30T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-06-04T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-03-08T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-10-01T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Jaiya Thai Oriental Restaurant", "restaurant\_id" : "40392724" }

Type "it" for more

## 15. Find the restaurant Id, name, borough and cuisine for those restaurants which contain 'Wil' as first three letters for its name.

> db.restaurants.find({name: {$regex: /^Wil/}}, { restaurant\_id: 1, name: 1, borough: 1, cuisine: 1}).pretty()

{ "\_id" : ObjectId("63968ca187cbddca1ca52614"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52624"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine Food", "restaurant\_id" : "40356483" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5341e"), "borough" : "Bronx", "cuisine" : "Pizza", "name" : "Wilbel Pizza", "restaurant\_id" : "40871979" }

## 16. Find the restaurant Id, name, borough and cuisine for those restaurants which contain 'ces' as last three letters for its name.

> db.restaurants.find({name: {$regex: /ces$/}}, { restaurant\_id: 1, name: 1, borough: 1, cuisine: 1}).pretty()

{ "\_id" : ObjectId("63968ca187cbddca1ca52a9f"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Pieces", "restaurant\_id" : "40399910" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52b5e"), "borough" : "Queens", "cuisine" : "American ", "name" : "S.M.R Restaurant Services", "restaurant\_id" : "40403857" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52b69"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Good Shepherd Services", "restaurant\_id" : "40403989" }

{ "\_id" : ObjectId("63968ca187cbddca1ca53019"), "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "The Ice Box-Ralph'S Famous Italian Ices", "restaurant\_id" : "40690899" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5321a"), "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Alices", "restaurant\_id" : "40782042" }

{ "\_id" : ObjectId("63968ca187cbddca1ca53436"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Re: Sources", "restaurant\_id" : "40876068" }

## 17. Find the restaurant Id, name, borough and cuisine for those restaurants which contain 'Reg' as three letters somewhere in its name.

> db.restaurants.find({name: {$regex: /Reg/}}, { restaurant\_id: 1, name: 1, borough: 1, cuisine: 1}).pretty()

{ "\_id" : ObjectId("63968ca187cbddca1ca52611"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Regina Caterers", "restaurant\_id" : "40356649" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5270f"), "borough" : "Manhattan", "cuisine" : "Café/Coffee/Tea", "name" : "Caffe Reggio", "restaurant\_id" : "40369418" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5281f"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Regency Hotel", "restaurant\_id" : "40382679" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52b3c"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Regency Whist Club", "restaurant\_id" : "40402377" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52c21"), "borough" : "Queens", "cuisine" : "American ", "name" : "Rego Park Cafe", "restaurant\_id" : "40523342" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5329d"), "borough" : "Queens", "cuisine" : "Pizza", "name" : "Regina Pizza", "restaurant\_id" : "40801325" }

{ "\_id" : ObjectId("63968ca187cbddca1ca534a6"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Regal Entertainment Group", "restaurant\_id" : "40891782" }

## 18. Find the restaurants which belong to the borough Bronx and prepared either American or Chinese dish

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

{ "\_id" : ObjectId("63968ca187cbddca1ca52614"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-28T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-06-19T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-06-15T00:00:00Z"), "grade" : "A", "score" : 3 } ], "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52630"), "address" : { "building" : "1236", "coord" : [ -73.8893654, 40.81376179999999 ], "street" : "238 Spofford Ave", "zipcode" : "10474" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2013-12-30T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-01-08T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-06-12T00:00:00Z"), "grade" : "B", "score" : 15 } ], "name" : "Happy Garden", "restaurant\_id" : "40363289" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52643"), "address" : { "building" : "277", "coord" : [ -73.8941893, 40.8634684 ], "street" : "East Kingsbridge Road", "zipcode" : "10458" }, "borough" : "Bronx", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-03-03T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-09-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-03-19T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-08-29T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-08-17T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Happy Garden", "restaurant\_id" : "40364296" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52645"), "address" : { "building" : "658", "coord" : [ -73.81363999999999, 40.82941100000001 ], "street" : "Clarence Ave", "zipcode" : "10465" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-21T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2012-07-11T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Manhem Club", "restaurant\_id" : "40364363" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52663"), "address" : { "building" : "2222", "coord" : [ -73.84971759999999, 40.8304811 ], "street" : "Haviland Avenue", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-12-18T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-05-01T00:00:00Z"), "grade" : "B", "score" : 17 }, { "date" : ISODate("2013-03-14T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-09-20T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-02-08T00:00:00Z"), "grade" : "B", "score" : 19 } ], "name" : "The New Starling Athletic Club Of The Bronx", "restaurant\_id" : "40364956" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5267c"), "address" : { "building" : "72", "coord" : [ -73.92506, 40.8275556 ], "street" : "East 161 Street", "zipcode" : "10451" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-04-15T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-11-14T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2013-07-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-12-31T00:00:00Z"), "grade" : "B", "score" : 15 }, { "date" : ISODate("2012-05-30T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-09T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-08-15T00:00:00Z"), "grade" : "C", "score" : 37 } ], "name" : "Yankee Tavern", "restaurant\_id" : "40365499" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526a3"), "address" : { "building" : "5820", "coord" : [ -73.9002615, 40.885186 ], "street" : "Broadway", "zipcode" : "10463" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-02-26T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-10-09T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2013-05-15T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-11-20T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2011-10-17T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-06-22T00:00:00Z"), "grade" : "C", "score" : 35 } ], "name" : "The Punch Bowl", "restaurant\_id" : "40366497" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526b0"), "address" : { "building" : "21", "coord" : [ -73.9168424, 40.8401362 ], "street" : "East 170 Street", "zipcode" : "10452" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-12-16T00:00:00Z"), "grade" : "B", "score" : 22 }, { "date" : ISODate("2014-08-12T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-03-03T00:00:00Z"), "grade" : "B", "score" : 22 }, { "date" : ISODate("2013-08-29T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-08-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-02-13T00:00:00Z"), "grade" : "B", "score" : 16 } ], "name" : "Munchtime", "restaurant\_id" : "40366748" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526be"), "address" : { "building" : "2894", "coord" : [ -73.815175, 40.8137649 ], "street" : "Schurz Ave", "zipcode" : "10465" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-10-31T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2014-02-20T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2013-06-07T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-05-17T00:00:00Z"), "grade" : "A", "score" : 2 } ], "name" : "Marina Delray", "restaurant\_id" : "40367161" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526e8"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-05-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-06-15T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2011-06-08T00:00:00Z"), "grade" : "A", "score" : 0 } ], "name" : "Beaver Pond", "restaurant\_id" : "40368025" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526e9"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-05-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-05-17T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-06-08T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "Cool Zone", "restaurant\_id" : "40368022" }

{ "\_id" : ObjectId("63968ca187cbddca1ca526eb"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8502883 ], "street" : "Southern Boulevard", "zipcode" : "10460" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-21T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-05-28T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2012-06-18T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2011-06-07T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "African Market (Baboon Cafe)", "restaurant\_id" : "40368026" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52704"), "address" : { "building" : "3533", "coord" : [ -73.9100082, 40.8863835 ], "street" : "Johnson Avenue", "zipcode" : "10463" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-02-20T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-09-09T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-03-26T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-03-08T00:00:00Z"), "grade" : "P", "score" : 2 }, { "date" : ISODate("2012-09-26T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-04-13T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-07-26T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-02-26T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Blue Bay Restaurant", "restaurant\_id" : "40369087" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52719"), "address" : { "building" : "2375", "coord" : [ -73.85534559999999, 40.8426433 ], "street" : "East Tremont Avenue", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-10-14T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-04-08T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-11-04T00:00:00Z"), "grade" : "C", "score" : 45 }, { "date" : ISODate("2013-05-23T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-10-18T00:00:00Z"), "grade" : "B", "score" : 15 }, { "date" : ISODate("2012-10-05T00:00:00Z"), "grade" : "P", "score" : 12 }, { "date" : ISODate("2012-05-14T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-12-21T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Bronx Grill", "restaurant\_id" : "40369601" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52729"), "address" : { "building" : "170", "coord" : [ -73.9035553, 40.878342 ], "street" : "West 231 Street", "zipcode" : "10463" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-10-01T00:00:00Z"), "grade" : "B", "score" : 18 }, { "date" : ISODate("2014-04-23T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-10-23T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-05-21T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2013-05-02T00:00:00Z"), "grade" : "P", "score" : 3 }, { "date" : ISODate("2012-11-20T00:00:00Z"), "grade" : "B", "score" : 24 } ], "name" : "P & K'S Grill", "restaurant\_id" : "40369895" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52733"), "address" : { "building" : "4272", "coord" : [ -73.86720489999999, 40.8977501 ], "street" : "Katonah Avenue", "zipcode" : "10470" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-23T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-11-04T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-04-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-09-24T00:00:00Z"), "grade" : "B", "score" : 15 } ], "name" : "John Mulligan'S Fireside Pub", "restaurant\_id" : "40370150" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52792"), "address" : { "building" : "2942", "coord" : [ -73.832183, 40.84710099999999 ], "street" : "Westchester Avenue", "zipcode" : "10461" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-02-10T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-09-18T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-17T00:00:00Z"), "grade" : "B", "score" : 25 }, { "date" : ISODate("2012-10-15T00:00:00Z"), "grade" : "B", "score" : 25 }, { "date" : ISODate("2011-10-17T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-07-14T00:00:00Z"), "grade" : "B", "score" : 18 } ], "name" : "Quality Cafe & Restaurant", "restaurant\_id" : "40374259" }

{ "\_id" : ObjectId("63968ca187cbddca1ca527fb"), "address" : { "building" : "3657", "coord" : [ -73.901496, 40.885102 ], "street" : "Kingsbridge Avenue", "zipcode" : "10463" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-09-25T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-04-30T00:00:00Z"), "grade" : "B", "score" : 20 }, { "date" : ISODate("2013-08-19T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-03-06T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-26T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-10-19T00:00:00Z"), "grade" : "B", "score" : 18 } ], "name" : "Riverdale Diner", "restaurant\_id" : "40380253" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5281a"), "address" : { "building" : "1506", "coord" : [ -73.8537226, 40.8427071 ], "street" : "Bronxdale Avenue", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-04T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-05-22T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-12-13T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-05-14T00:00:00Z"), "grade" : "B", "score" : 16 }, { "date" : ISODate("2011-12-28T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-08-10T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Castlehill Diner", "restaurant\_id" : "40382517" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52839"), "address" : { "building" : "5977", "coord" : [ -73.8982704, 40.8896923 ], "street" : "Broadway", "zipcode" : "10463" }, "borough" : "Bronx", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-30T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2013-04-25T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-11-20T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-05-30T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-12-19T00:00:00Z"), "grade" : "B", "score" : 18 } ], "name" : "Short Stop Restaurant", "restaurant\_id" : "40383819" }

Type "it" for more

## 19. Find the restaurant Id, name, borough and cuisine for those restaurants which belong to the boroughs of Staten Island or Queens or Bronx or Brooklyn.

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

{ "\_id" : ObjectId("63968ca187cbddca1ca5260e"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "Wendy'S", "restaurant\_id" : "30112340" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5260f"), "borough" : "Staten Island", "cuisine" : "Jewish/Kosher", "name" : "Kosher Island", "restaurant\_id" : "40356442" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52610"), "borough" : "Queens", "cuisine" : "Jewish/Kosher", "name" : "Tov Kosher Kitchen", "restaurant\_id" : "40356068" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52611"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Regina Caterers", "restaurant\_id" : "40356649" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52613"), "borough" : "Queens", "cuisine" : "American ", "name" : "Brunos On The Boulevard", "restaurant\_id" : "40356151" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52614"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52615"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Taste The Tropics Ice Cream", "restaurant\_id" : "40356731" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52616"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "C & C Catering Service", "restaurant\_id" : "40357437" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52618"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Riviera Caterer", "restaurant\_id" : "40356018" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52619"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40360076" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261a"), "borough" : "Brooklyn", "cuisine" : "Chinese", "name" : "May May Kitchen", "restaurant\_id" : "40358429" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261b"), "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40361322" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261c"), "borough" : "Bronx", "cuisine" : "Bakery", "name" : "Morris Park Bake Shop", "restaurant\_id" : "30075445" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261d"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "The Movable Feast", "restaurant\_id" : "40361606" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261e"), "borough" : "Queens", "cuisine" : "Delicatessen", "name" : "Sal'S Deli", "restaurant\_id" : "40361618" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52620"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52622"), "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Seuda Foods", "restaurant\_id" : "40360045" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52623"), "borough" : "Queens", "cuisine" : "Delicatessen", "name" : "Steve Chu'S Deli & Grocery", "restaurant\_id" : "40361998" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52624"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine Food", "restaurant\_id" : "40356483" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52628"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "White Castle", "restaurant\_id" : "40362344" }

Type "it" for more

## 20. Find the restaurant Id, name, borough and cuisine for those restaurants which are not belonging to the borough Staten Island or Queens or Bronx or Brooklyn

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

{ "\_id" : ObjectId("63968ca187cbddca1ca52612"), "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dj Reynolds Pub And Restaurant", "restaurant\_id" : "30191841" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52617"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "1 East 66Th Street Kitchen", "restaurant\_id" : "40359480" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261f"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Glorious Food", "restaurant\_id" : "40361521" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52621"), "borough" : "Manhattan", "cuisine" : "Delicatessen", "name" : "Bully'S Deli", "restaurant\_id" : "40361708" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52625"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "P & S Deli Grocery", "restaurant\_id" : "40362264" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52626"), "borough" : "Manhattan", "cuisine" : "Chicken", "name" : "Harriet'S Kitchen", "restaurant\_id" : "40362098" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52627"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Angelika Film Center", "restaurant\_id" : "40362274" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52629"), "borough" : "Manhattan", "cuisine" : "Turkish", "name" : "The Country Cafe", "restaurant\_id" : "40362715" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5262c"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Downtown Deli", "restaurant\_id" : "40363021" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52631"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Cafe Metro", "restaurant\_id" : "40363298" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52632"), "borough" : "Manhattan", "cuisine" : "Bakery", "name" : "Olive'S", "restaurant\_id" : "40363151" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52637"), "borough" : "Manhattan", "cuisine" : "Continental", "name" : "Lorenzo & Maria'S", "restaurant\_id" : "40363630" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52638"), "borough" : "Manhattan", "cuisine" : "Sandwiches/Salads/Mixed Buffet", "name" : "Lexler Deli", "restaurant\_id" : "40363426" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52639"), "borough" : "Manhattan", "cuisine" : "Pizza", "name" : "Domino'S Pizza", "restaurant\_id" : "40363644" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5263b"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Berkely", "restaurant\_id" : "40363685" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5263e"), "borough" : "Manhattan", "cuisine" : "Pizza", "name" : "Domino'S Pizza", "restaurant\_id" : "40363945" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5263f"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Spoon Bread Catering", "restaurant\_id" : "40364179" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52646"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "21 Club", "restaurant\_id" : "40364362" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52647"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Palm Restaurant", "restaurant\_id" : "40364355" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52649"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Metropolitan Club", "restaurant\_id" : "40364347" }

Type "it" for more

## 21. Find the restaurant Id, name, borough and cuisine for those restaurants which achieved a score below 10.

> db.restaurants.find({ "grades.score": {$lt: 10} }, { restaurant\_id: 1, name: 1, borough: 1, cuisine: 1}).pretty()

{ "\_id" : ObjectId("63968ca187cbddca1ca5260e"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "Wendy'S", "restaurant\_id" : "30112340" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5260f"), "borough" : "Staten Island", "cuisine" : "Jewish/Kosher", "name" : "Kosher Island", "restaurant\_id" : "40356442" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52611"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Regina Caterers", "restaurant\_id" : "40356649" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52612"), "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dj Reynolds Pub And Restaurant", "restaurant\_id" : "30191841" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52613"), "borough" : "Queens", "cuisine" : "American ", "name" : "Brunos On The Boulevard", "restaurant\_id" : "40356151" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52614"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant\_id" : "40357217" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52615"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Taste The Tropics Ice Cream", "restaurant\_id" : "40356731" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52616"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "C & C Catering Service", "restaurant\_id" : "40357437" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52617"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "1 East 66Th Street Kitchen", "restaurant\_id" : "40359480" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52618"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Riviera Caterer", "restaurant\_id" : "40356018" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52619"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40360076" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261a"), "borough" : "Brooklyn", "cuisine" : "Chinese", "name" : "May May Kitchen", "restaurant\_id" : "40358429" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261b"), "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant\_id" : "40361322" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261c"), "borough" : "Bronx", "cuisine" : "Bakery", "name" : "Morris Park Bake Shop", "restaurant\_id" : "30075445" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261d"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "The Movable Feast", "restaurant\_id" : "40361606" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261e"), "borough" : "Queens", "cuisine" : "Delicatessen", "name" : "Sal'S Deli", "restaurant\_id" : "40361618" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5261f"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Glorious Food", "restaurant\_id" : "40361521" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52620"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant\_id" : "40361390" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52621"), "borough" : "Manhattan", "cuisine" : "Delicatessen", "name" : "Bully'S Deli", "restaurant\_id" : "40361708" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52622"), "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Seuda Foods", "restaurant\_id" : "40360045" }

Type "it" for more

## 22. Find the restaurant Id, name, borough and cuisine for those restaurants which prepared dish except 'American' and 'Chinese' or restaurant's name begins with letter 'Wil'.

db.restaurants.find({ $and: [ {cuisine: {$ne: "American "}}, {cuisine: {$ne: "Chinese"}}, {name: {$regex: /^Wil/}} ] }, { restaurant\_id: 1, name: 1, borough: 1, cuisine: 1}).pretty()

{ "\_id" : ObjectId("63968ca187cbddca1ca52624"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine Food", "restaurant\_id" : "40356483" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5341e"), "borough" : "Bronx", "cuisine" : "Pizza", "name" : "Wilbel Pizza", "restaurant\_id" : "40871979" }

## 23. 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.

{ "\_id" : ObjectId("63968ca187cbddca1ca52767"), "grades" : [ { "date" : ISODate("2014-08-11T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-12-10T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-06-10T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-06-08T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-25T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2011-09-13T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Don Filippo Restaurant", "restaurant\_id" : "40372417" }

## 24. 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"

{ "\_id" : ObjectId("63968ca187cbddca1ca52c37"), "grades" : [ { "date" : ISODate("2015-01-12T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-08-11T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-01-14T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-02-07T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-04-30T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Club Macanudo (Cigar Bar)", "restaurant\_id" : "40526406" }

## 25. 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 up to 52.

{ "\_id" : ObjectId("63968ca187cbddca1ca528a9"), "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("63968ca187cbddca1ca528d9"), "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("63968ca187cbddca1ca52b46"), "address" : { "building" : "3000", "coord" : [ -87.86567699999999, 42.61150920000001 ], "street" : "47 Avenue", "zipcode" : "11101" }, "name" : "Di Luvio'S Deli", "restaurant\_id" : "40402284" }

{ "\_id" : ObjectId("63968ca187cbddca1ca52d71"), "address" : { "building" : "21972199", "coord" : [ -78.589606, 42.8912372 ], "street" : "Broadway", "zipcode" : "10024" }, "name" : "La Caridad 78", "restaurant\_id" : "40568285" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5343b"), "address" : { "building" : "7981", "coord" : [ -84.9751215, 45.4713351 ], "street" : "Hoyt Street", "zipcode" : "11201" }, "name" : "Bijan'S", "restaurant\_id" : "40876618" }

{ "\_id" : ObjectId("63968ca187cbddca1ca5344f"), "address" : { "building" : "0", "coord" : [ -88.0778799, 42.4154769 ], "street" : "& Grand Central", "zipcode" : "10017" }, "name" : "Hyatt, Ny Central/Room Service", "restaurant\_id" : "40879243" }

{ "\_id" : ObjectId("63968ca187cbddca1ca53465"), "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" }

# 3. Extra Credit: 50 points

## Instructions

To run this script, make sure you run this on command prompt to import the data:

1. `mongoimport --db aaz7118\_db --collection events --file historical-events.json`

2. `mongoimport --db aaz7118\_db --collection meteor --file meteorites.json`

3. `mongoimport --db aaz7118\_db --collection city --type csv --headerline --file worldcities.csv`

edit the above command at `--file <file relative path>` if the file is another directory or has another name.

You can then run the script using this command:

`mongo <q3.js`

The output of running q2\_verbose.js has been copied into "aaz7118\_Assignment\_4.pdf" with indexing for each query.

NOTE: I could only get `mongo <q3.js` to work on command prompt. It did not work on bash or PowerShell.

switched to db aaz7118\_db

## 1. 15 points: (events.json): Count the number of events per year.

{ "\_id" : -300, "count" : 7 }

{ "\_id" : -299, "count" : 3 }

{ "\_id" : -298, "count" : 6 }

{ "\_id" : -297, "count" : 6 }

{ "\_id" : -296, "count" : 2 }

{ "\_id" : -295, "count" : 3 }

{ "\_id" : -294, "count" : 6 }

{ "\_id" : -293, "count" : 4 }

{ "\_id" : -292, "count" : 2 }

{ "\_id" : -291, "count" : 2 }

{ "\_id" : -290, "count" : 2 }

{ "\_id" : -289, "count" : 1 }

{ "\_id" : -288, "count" : 5 }

{ "\_id" : -287, "count" : 6 }

{ "\_id" : -286, "count" : 3 }

{ "\_id" : -285, "count" : 3 }

{ "\_id" : -284, "count" : 5 }

{ "\_id" : -283, "count" : 5 }

{ "\_id" : -282, "count" : 5 }

{ "\_id" : -281, "count" : 6 }

Type "it" for more

## 2. 25 points: (meteorites.json, worldcities.csv): Use the MongoDB geospatial facilities to find the nearest city to each meteorite “fallen” (not found) since the year 1950, inclusive.

{ "n" : 12893, "nModified" : 12893, "ok" : 1 }

{

"createdCollectionAutomatically" : false,

"numIndexesBefore" : 1,

"numIndexesAfter" : 2,

"ok" : 1

}

{

"createdCollectionAutomatically" : false,

"numIndexesBefore" : 1,

"numIndexesAfter" : 2,

"ok" : 1

}

{ meteor: Acapulco, year: 1976, geolocation: [-99.9,16.88333], city: Acapulco, state: Guerrero, country: Mexico geolocation: [-99.916,16.85] }

{ meteor: Aioun el Atrouss, year: 1974, geolocation: [-9.57028,16.39806], city: Ayoun el Atrous, state: odh el Gharbi, country: Mauritania geolocation: [-9.6167,16.6666] }

{ meteor: Aarhus, year: 1951, geolocation: [10.23333,56.18333], city: Århus, state: Midtjylland, country: Denmark geolocation: [10.2107,56.1572] }

{ meteor: Al Rais, year: 1957, geolocation: [39.51667,24.41667], city: Medina, state: Al Madīnah al Munawwarah, country: Saudi Arabia geolocation: [39.58,24.5] }

{ meteor: Al Zarnkh, year: 2001, geolocation: [28.96,13.66033], city: En Nuhud, state: Western Kordofan, country: Sudan geolocation: [28.42,12.6904] }

{ meteor: Akyumak, year: 1981, geolocation: [42.81667,39.91667], city: Ağrı, state: Ağrı, country: Turkey geolocation: [43.0513,39.7198] }

{ meteor: Alby sur Chéran, year: 2002, geolocation: [6.01533,45.82133], city: Annecy, state: Auvergne-Rhône-Alpes, country: France geolocation: [6.1167,45.9] }

{ meteor: Abee, year: 1952, geolocation: [-113,54.21667], city: Athabasca, state: Alberta, country: Canada geolocation: [-113.2666,54.717] }

{ meteor: Allende, year: 1969, geolocation: [-105.31667,26.96667], city: Hidalgo del Parral, state: Chihuahua, country: Mexico geolocation: [-105.6666,26.9334] }

{ meteor: Akwanga, year: 1959, geolocation: [8.43333,8.91667], city: Lafia, state: Nasarawa, country: Nigeria geolocation: [8.52,8.4904] }

{ meteor: Almahata Sitta, year: 2008, geolocation: [32.41275,20.74575], city: Wadi Halfa, state: Northern, country: Sudan geolocation: [31.35,21.8] }

{ meteor: Alta'ameem, year: 1977, geolocation: [44.21556,35.27333], city: Kirkuk, state: Kirkūk, country: Iraq geolocation: [44.3923,35.4722] }

{ meteor: Anlong, year: 1971, geolocation: [105.18333,25.15], city: Xingyi, state: Guizhou, country: China geolocation: [104.89,25.0904] }

{ meteor: Aomori, year: 1984, geolocation: [140.78556,40.81056], city: Aomori, state: Aomori, country: Japan geolocation: [140.71,40.825] }

{ meteor: Andreevka, year: 1969, geolocation: [37.5,48.7], city: Kramatorsk, state: Donets’ka Oblast’, country: Ukraine geolocation: [37.5344,48.7194] }

{ meteor: Arbol Solo, year: 1954, geolocation: [-66,-33], city: San Luis, state: San Luis, country: Argentina geolocation: [-66.35,-33.3] }

{ meteor: Arroyo Aguiar, year: 1950, geolocation: [-60.66667,-31.41667], city: Santa Fe, state: Santa Fe, country: Argentina geolocation: [-60.69,-31.6239] }

{ meteor: Ash Creek, year: 2009, geolocation: [-97.01,31.805], city: Lacy-Lakeview, state: Texas, country: United States geolocation: [-97.1052,31.6292] }

{ meteor: Avanhandava, year: 1952, geolocation: [-49.95083,-21.46028], city: Penápolis, state: São Paulo, country: Brazil geolocation: [-50.08,-21.41] }

{ meteor: Awere, year: 1968, geolocation: [32.83333,2.71667], city: Kole, state: Kole, country: Uganda geolocation: [32.8003,2.4002] }

{ meteor: Ban Rong Du, year: 1993, geolocation: [101.18333,16.66667], city: Phetchabun, state: Phetchabun, country: Thailand geolocation: [101.159,16.419] }

{ meteor: Bassikounou, year: 2006, geolocation: [-5.9,15.78333], city: Sokolo, state: Ségou, country: Mali geolocation: [-6.1333,14.7337] }

{ meteor: Barwell, year: 1965, geolocation: [-1.33972,52.56528], city: Leicester, state: Leicester, country: United Kingdom geolocation: [-1.1332,52.63] }

{ meteor: Baszkówka, year: 1994, geolocation: [20.93583,52.03333], city: Warsaw, state: Mazowieckie, country: Poland geolocation: [21,52.25] }

{ meteor: Battle Mountain, year: 2012, geolocation: [-117.18913,40.66813], city: Winnemucca, state: Nevada, country: United States geolocation: [-117.725,40.9646] }

{ meteor: Bawku, year: 1989, geolocation: [-0.18333,11.08333], city: Bawku, state: Upper East, country: Ghana geolocation: [-0.24,11.0604] }

{ meteor: Benguerir, year: 2004, geolocation: [-8.15,32.25], city: Marrakesh, state: Marrakech-Safi, country: Morocco geolocation: [-8,31.63] }

{ meteor: Beni M'hira, year: 2001, geolocation: [10.8,32.86667], city: Tataouine, state: Tataouine, country: Tunisia geolocation: [10.4667,33] }

{ meteor: Bensour, year: 2002, geolocation: [-7,30], city: Marrakesh, state: Marrakech-Safi, country: Morocco geolocation: [-8,31.63] }

{ meteor: Bells, year: 1961, geolocation: [-96.46667,33.6], city: Sherman, state: Texas, country: United States geolocation: [-96.6195,33.6266] }

{ meteor: Berduc, year: 2008, geolocation: [-58.32833,-31.91], city: Paysandú, state: Paysandú, country: Uruguay geolocation: [-58.08,-32.33] }

{ meteor: Berthoud, year: 2004, geolocation: [-105.02325,40.30583], city: Berthoud, state: Colorado, country: United States geolocation: [-105.0412,40.3059] }

{ meteor: Bhawad, year: 2002, geolocation: [73.11528,26.50833], city: Jodhpur, state: Rājasthān, country: India geolocation: [73.0168,26.2918] }

{ meteor: Bo Xian, year: 1977, geolocation: [115.83333,33.83333], city: Shangqiu, state: Henan, country: China geolocation: [115.65,34.4504] }

{ meteor: Bogou, year: 1962, geolocation: [0.7,12.5], city: Fada Ngourma, state: Est, country: Burkina Faso geolocation: [0.361,12.055] }

{ meteor: Bilanga, year: 1999, geolocation: [-0.08333,12.45], city: Koupéla, state: Centre-Est, country: Burkina Faso geolocation: [-0.356,12.177] }

{ meteor: Binningup, year: 1984, geolocation: [115.67639,-33.15639], city: Bunbury, state: Western Australia, country: Australia geolocation: [115.6502,-33.3443] }

{ meteor: Boumdeid (2003), year: 2003, geolocation: [-11.3715,17.71067], city: Tidjikdja, state: Tagant, country: Mauritania geolocation: [-11.4166,18.55] }

{ meteor: Bovedy, year: 1969, geolocation: [-6.33333,54.56667], city: Craigavon, state: Armagh, Banbridge and Craigavon, country: United Kingdom geolocation: [-6.3646,54.4497] }

{ meteor: Breitscheid, year: 1956, geolocation: [8.18361,50.66694], city: Gießen, state: Hesse, country: Germany geolocation: [8.65,50.5837] }

{ meteor: Bruderheim, year: 1960, geolocation: [-112.88333,53.9], city: Edmonton, state: Alberta, country: Canada geolocation: [-113.5,53.55] }

{ meteor: Bunburra Rockhole, year: 2007, geolocation: [129.19,-31.35], city: Ceduna, state: South Australia, country: Australia geolocation: [133.6623,-32.0991] }

{ meteor: Bukhara, year: 2001, geolocation: [64.60035,39.77978], city: Kogon, state: Buxoro, country: Uzbekistan geolocation: [64.5458,39.7211] }

{ meteor: Buzzard Coulee, year: 2008, geolocation: [-109.84817,52.996], city: North Battleford, state: Saskatchewan, country: Canada geolocation: [-108.2833,52.7666] }

{ meteor: Boumdeid (2011), year: 2011, geolocation: [-11.34133,17.17493], city: Kiffa, state: Assaba, country: Mauritania geolocation: [-11.4,16.62] }

{ meteor: Burnwell, year: 1990, geolocation: [-82.23722,37.62194], city: Pikeville, state: Kentucky, country: United States geolocation: [-82.5261,37.4808] }

{ meteor: Cali, year: 2007, geolocation: [-76.51,3.405], city: Cali, state: Valle del Cauca, country: Colombia geolocation: [-76.5,3.4] }

{ meteor: Campos Sales, year: 1991, geolocation: [-40.16667,-7.03333], city: Crato, state: Ceará, country: Brazil geolocation: [-39.42,-7.2296] }

{ meteor: Çanakkale, year: 1964, geolocation: [26.6,39.8], city: Çanakkale, state: Çanakkale, country: Turkey geolocation: [26.4064,40.1459] }

{ meteor: Canon City, year: 1973, geolocation: [-105.24139,38.47028], city: Cañon City, state: Colorado, country: United States geolocation: [-105.2201,38.443] }

{ meteor: Carancas, year: 2007, geolocation: [-69.04389,-16.66444], city: Desaguadero, state: Puno, country: Peru geolocation: [-69.045,-16.5646] }

{ meteor: Ceniceros, year: 1988, geolocation: [-105.23333,26.46667], city: Hidalgo del Parral, state: Chihuahua, country: Mexico geolocation: [-105.6666,26.9334] }

{ meteor: Centerville, year: 1956, geolocation: [-96.91667,43.2], city: Tea, state: South Dakota, country: United States geolocation: [-96.8346,43.4515] }

{ meteor: Chadong, year: 1998, geolocation: [109.31667,28.53333], city: Tongren, state: Guizhou, country: China geolocation: [109.13,27.6804] }

{ meteor: Changde, year: 1977, geolocation: [111.75,29.08333], city: Changde, state: Hunan, country: China geolocation: [111.68,29.03] }

{ meteor: Chela, year: 1988, geolocation: [32.5,-3.66667], city: Kahama, state: Shinyanga, country: Tanzania geolocation: [32.58,-3.8196] }

{ meteor: Chelyabinsk, year: 2013, geolocation: [61.11667,54.81667], city: Yemanzhelinsk, state: Chelyabinskaya Oblast’, country: Russia geolocation: [61.2935,54.7489] }

{ meteor: Chergach , year: 2007, geolocation: [-5.01472,23.69639], city: Taoudenni, state: Tombouctou, country: Mali geolocation: [-3.9834,22.6666] }

{ meteor: Chernyi Bor, year: 1964, geolocation: [30.1,53.7], city: Mahilyow, state: Mahilyowskaya Voblasts’, country: Belarus geolocation: [30.3247,53.8985] }

{ meteor: Chiang Khan, year: 1981, geolocation: [101.63333,17.9], city: Loei, state: Loei, country: Thailand geolocation: [101.7315,17.4919] }

{ meteor: Chitenay, year: 1978, geolocation: [0.97667,47.47083], city: Tours, state: Centre-Val de Loire, country: France geolocation: [0.6999,47.3804] }

{ meteor: Chitado, year: 1966, geolocation: [13.96667,-17.35], city: Chitado, state: Cunene, country: Angola geolocation: [13.92,-17.3196] }

{ meteor: Cilimus, year: 1979, geolocation: [108.1,-6.95], city: Tasikmalaya, state: Jawa Barat, country: Indonesia geolocation: [108.2147,-7.3254] }

{ meteor: Claxton, year: 1984, geolocation: [-81.87278,32.1025], city: Statesboro, state: Georgia, country: United States geolocation: [-81.775,32.4376] }

{ meteor: Coleman, year: 1994, geolocation: [-84.50778,43.76111], city: Clare, state: Michigan, country: United States geolocation: [-84.7628,43.8245] }

{ meteor: Conquista, year: 1965, geolocation: [-47.55,-19.85], city: Uberaba, state: Minas Gerais, country: Brazil geolocation: [-47.95,-19.78] }

{ meteor: Chisenga, year: 1988, geolocation: [33.395,-10.05944], city: Chitipa, state: Chitipa, country: Malawi geolocation: [33.2666,-9.7162] }

{ meteor: Dahmani, year: 1981, geolocation: [8.83333,35.61667], city: Qasserine, state: Kasserine, country: Tunisia geolocation: [8.83,35.1804] }

{ meteor: Dashoguz, year: 1998, geolocation: [59.685,41.98444], city: Daşoguz, state: Daşoguz, country: Turkmenistan geolocation: [59.965,41.84] }

{ meteor: Daule, year: 2008, geolocation: [-79.95756,-1.87089], city: Guayaquil, state: Guayas, country: Ecuador geolocation: [-79.92,-2.22] }

{ meteor: Dergaon, year: 2001, geolocation: [93.86667,26.68333], city: Jorhat, state: Assam, country: India geolocation: [94.2167,26.75] }

{ meteor: Desuri, year: 1962, geolocation: [73.61667,25.73333], city: Pali, state: Rājasthān, country: India geolocation: [73.3299,25.7904] }

{ meteor: Denver, year: 1967, geolocation: [-104.93056,39.7825], city: Denver, state: Colorado, country: United States geolocation: [-104.8759,39.7621] }

{ meteor: Devgaon, year: 2001, geolocation: [81,19], city: Warangal, state: Andhra Pradesh, country: India geolocation: [79.58,18.01] }

{ meteor: Devri-Khera, year: 1994, geolocation: [76.525,24.225], city: Kota, state: Rājasthān, country: India geolocation: [75.835,25.18] }

{ meteor: Djoumine, year: 1999, geolocation: [9.55,36.95], city: Béja, state: Béja, country: Tunisia geolocation: [9.19,36.7304] }

{ meteor: Didim, year: 2007, geolocation: [27.32997,37.35172], city: Söke, state: Aydın, country: Turkey geolocation: [27.4103,37.7512] }

{ meteor: Distrito Quebracho, year: 1957, geolocation: [-60.46667,-31.88333], city: Paraná, state: Entre Ríos, country: Argentina geolocation: [-60.5333,-31.7333] }

{ meteor: Djermaia, year: 1961, geolocation: [15.05,12.73333], city: Ndjamena, state: Ville de N’Djaména, country: Chad geolocation: [15.0491,12.1131] }

{ meteor: Dhajala, year: 1976, geolocation: [71.42722,22.37778], city: Rajkot, state: Gujarāt, country: India geolocation: [70.8,22.31] }

{ meteor: Dongtai, year: 1970, geolocation: [120.78333,32.91667], city: Yancheng, state: Jiangsu, country: China geolocation: [120.1253,33.3856] }

{ meteor: Dowa, year: 1976, geolocation: [33.91667,-13.66667], city: Dowa, state: Dowa, country: Malawi geolocation: [33.9385,-13.6532] }

{ meteor: Dong Ujimqin Qi, year: 1995, geolocation: [119.03333,45.5], city: Bairin Zuoqi, state: Inner Mongolia, country: China geolocation: [119.1834,43.9837] }

{ meteor: Dubrovnik, year: 1951, geolocation: [18.44167,42.45833], city: Herceg-Novi, state: Herceg Novi, country: Montenegro geolocation: [18.5375,42.4531] }

{ meteor: Dunbogan, year: 1999, geolocation: [152.83333,-31.66667], city: Port Macquarie, state: New South Wales, country: Australia geolocation: [152.9187,-31.445] }

{ meteor: Dosso, year: 1962, geolocation: [3.16667,13.05], city: Dosso, state: Dosso, country: Niger geolocation: [3.2,13.05] }

{ meteor: Dunhua, year: 1976, geolocation: [128.25,43.33333], city: Dunhua, state: Jilin, country: China geolocation: [128.22,43.3505] }

{ meteor: Ehole, year: 1961, geolocation: [15.83333,-17.3], city: Oshikango, state: Ohangwena, country: Namibia geolocation: [15.88,-17.3995] }

{ meteor: El Idrissia, year: 1989, geolocation: [3.25,34.41667], city: Djelfa, state: Djelfa, country: Algeria geolocation: [3.25,34.68] }

{ meteor: El Paso de Aguila, year: 1977, geolocation: [-97.37,25.37], city: Matamoros, state: Tamaulipas, country: Mexico geolocation: [-97.5,25.88] }

{ meteor: El Tigre, year: 1993, geolocation: [-103.05167,19.96722], city: Ciudad Guzman, state: Jalisco, country: Mexico geolocation: [-103.46,19.7104] }

{ meteor: Dwaleni, year: 1970, geolocation: [31.31667,-27.2], city: Nhlangano, state: Shiselweni, country: Swaziland geolocation: [31.1983,-27.1122] }

{ meteor: Elbert, year: 1998, geolocation: [-104.58817,39.24667], city: Castle Rock, state: Colorado, country: United States geolocation: [-104.8536,39.3761] }

{ meteor: Enshi, year: 1974, geolocation: [109.5,30.3], city: Fengjie, state: Chongqing, country: China geolocation: [109.5167,31.0504] }

{ meteor: Elenovka, year: 1951, geolocation: [37.66667,47.83333], city: Donetsk, state: Donets’ka Oblast’, country: Ukraine geolocation: [37.83,48] }

{ meteor: Essebi, year: 1957, geolocation: [30.83333,2.88333], city: Arua, state: Arua, country: Uganda geolocation: [30.9,3.0204] }

{ meteor: Fermo, year: 1996, geolocation: [13.75333,43.18111], city: Ancona, state: Marche, country: Italy geolocation: [13.4999,43.6004] }

{ meteor: Fuyang, year: 1977, geolocation: [115.9,32.9], city: Fuyang, state: Anhui, country: China geolocation: [115.82,32.9004] }

{ meteor: Gao-Guenie, year: 1960, geolocation: [-2.18333,11.65], city: Sapouy, state: Centre-Ouest, country: Burkina Faso geolocation: [-1.7736,11.5544] }

{ meteor: Garland, year: 1950, geolocation: [-112.13333,41.68333], city: Tremonton, state: Utah, country: United States geolocation: [-112.189,41.7188] }

{ meteor: Gasseltepaoua, year: 2000, geolocation: [-2.04167,14.15083], city: Djibo, state: Sahel, country: Burkina Faso geolocation: [-1.627,14.099] }

{ meteor: Gashua, year: 1984, geolocation: [11.03333,12.85], city: Gashua, state: Yobe, country: Nigeria geolocation: [11.04,12.8705] }

{ meteor: Geidam, year: 1950, geolocation: [11.91667,12.91667], city: Diffa, state: Diffa, country: Niger geolocation: [12.6089,13.3171] }

{ meteor: Galkiv, year: 1995, geolocation: [30.78333,51.68333], city: Chernihiv, state: Chernihivs’ka Oblast’, country: Ukraine geolocation: [31.3015,51.5049] }

{ meteor: Galim (a), year: 1952, geolocation: [12.43333,7.05], city: Tibati, state: Adamaoua, country: Cameroon geolocation: [12.6333,6.467] }

{ meteor: Glanerbrug, year: 1990, geolocation: [6.86667,52.2], city: Münster, state: North Rhine-Westphalia, country: Germany geolocation: [7.62,51.9704] }

{ meteor: Glatton, year: 1991, geolocation: [-0.3,52.45972], city: Peterborough, state: Peterborough, country: United Kingdom geolocation: [-0.25,52.5804] }

{ meteor: Gorlovka, year: 1974, geolocation: [38.08333,48.28333], city: Horlivka, state: Donets’ka Oblast’, country: Ukraine geolocation: [38.0547,48.2996] }

{ meteor: Galim (b), year: 1952, geolocation: [12.43333,7.05], city: Tibati, state: Adamaoua, country: Cameroon geolocation: [12.6333,6.467] }

{ meteor: Granes, year: 1964, geolocation: [2.25,42.9], city: Perpignan, state: Occitanie, country: France geolocation: [2.9,42.7] }

{ meteor: Grimsby, year: 2009, geolocation: [-79.61667,43.2], city: Hamilton, state: Ontario, country: Canada geolocation: [-79.83,43.25] }

{ meteor: Guangmingshan, year: 1996, geolocation: [122.76389,39.80417], city: Zhuanghe, state: Liaoning, country: China geolocation: [122.9619,39.6823] }

{ meteor: Guangnan, year: 1983, geolocation: [105,24.1], city: Xingyi, state: Guizhou, country: China geolocation: [104.89,25.0904] }

{ meteor: Guangrao, year: 1980, geolocation: [118.4,37.1], city: Buizhou, state: Shandong, country: China geolocation: [118.02,37.3704] }

{ meteor: Guibga, year: 1972, geolocation: [-0.68333,13.5], city: Kaya, state: Centre-Nord, country: Burkina Faso geolocation: [-1.09,13.0904] }

{ meteor: Gujargaon, year: 1982, geolocation: [76.05,22.98333], city: Ujjain, state: Madhya Pradesh, country: India geolocation: [75.79,23.1904] }

{ meteor: Grefsheim, year: 1976, geolocation: [11,60.66667], city: Hamar, state: Hedmark, country: Norway geolocation: [11.069,60.82] }

{ meteor: Gujba, year: 1984, geolocation: [11.65833,11.49167], city: Damaturu, state: Yobe, country: Nigeria geolocation: [11.966,11.749] }

{ meteor: Gursum, year: 1981, geolocation: [42.41667,9.36667], city: Harar, state: Hārerī Hizb, country: Ethiopia geolocation: [42.15,9.32] }

{ meteor: Hamlet, year: 1959, geolocation: [-86.6,41.38333], city: Plymouth, state: Indiana, country: United States geolocation: [-86.3188,41.3482] }

{ meteor: Harleton, year: 1961, geolocation: [-94.51167,32.675], city: Marshall, state: Texas, country: United States geolocation: [-94.3515,32.537] }

{ meteor: Haverö, year: 1971, geolocation: [22.06194,60.24556], city: Turku, state: Varsinais-Suomi, country: Finland geolocation: [22.255,60.4539] }

{ meteor: Hiroshima, year: 2003, geolocation: [132.38333,34.45], city: Hiroshima, state: Hiroshima, country: Japan geolocation: [132.4429,34.3878] }

{ meteor: Hoima, year: 2003, geolocation: [31.47278,1.345], city: Hoima, state: Hoima, country: Uganda geolocation: [31.3436,1.4356] }

{ meteor: Hökmark, year: 1954, geolocation: [21.2,64.43333], city: Skellefteå, state: Västerbotten, country: Sweden geolocation: [20.95,64.7721] }

{ meteor: Hotse, year: 1956, geolocation: [115.5,35.66667], city: Puyang, state: Henan, country: China geolocation: [114.98,35.7004] }

{ meteor: Hoxie, year: 1963, geolocation: [-100.45,39.35], city: Colby, state: Kansas, country: United States geolocation: [-101.0455,39.3852] }

{ meteor: Idutywa, year: 1956, geolocation: [28.33333,-32.1], city: Umtata, state: Eastern Cape, country: South Africa geolocation: [28.79,-31.58] }

{ meteor: Iguaracu, year: 1977, geolocation: [-51.83333,-23.2], city: Maringá, state: Paraná, country: Brazil geolocation: [-51.93,-23.4095] }

{ meteor: Ijopega, year: 1975, geolocation: [145.36667,-6.03333], city: Goroka, state: Eastern Highlands, country: Papua New Guinea geolocation: [145.3855,-6.0833] }

{ meteor: Inner Mongolia, year: 1963, geolocation: [112,41], city: Hohhot, state: Inner Mongolia, country: China geolocation: [111.66,40.82] }

{ meteor: Huaxi, year: 2010, geolocation: [106.63241,26.46469], city: Guiyang, state: Guizhou, country: China geolocation: [106.72,26.58] }

{ meteor: Innisfree, year: 1977, geolocation: [-111.3375,53.415], city: Vegreville, state: Alberta, country: Canada geolocation: [-112.05,53.5] }

{ meteor: Ipiranga, year: 1972, geolocation: [-54.5,-25.5], city: Foz do Iguaçu, state: Paraná, country: Brazil geolocation: [-54.53,-25.5235] }

{ meteor: Ishinga, year: 1954, geolocation: [33.8,-8.93333], city: Tukuyu, state: Mbeya, country: Tanzania geolocation: [33.64,-9.2496] }

{ meteor: Itqiy, year: 1990, geolocation: [-12.95217,26.59083], city: Bir Mogrein, state: Tiris Zemmour, country: Mauritania geolocation: [-11.5833,25.2333] }

{ meteor: Ibitira, year: 1957, geolocation: [-45,-20], city: Divinópolis, state: Minas Gerais, country: Brazil geolocation: [-44.9,-20.1495] }

{ meteor: Jartai, year: 1979, geolocation: [105.8,39.7], city: Wuhai, state: Inner Mongolia, country: China geolocation: [106.8122,39.6647] }

{ meteor: Jilin, year: 1976, geolocation: [126.16667,44.05], city: Jiutai, state: Jilin, country: China geolocation: [125.8443,44.1447] }

{ meteor: Jodiya, year: 2006, geolocation: [70.31333,22.68], city: Rajkot, state: Gujarāt, country: India geolocation: [70.8,22.31] }

{ meteor: Jiange, year: 1964, geolocation: [104.91667,31.91667], city: Mianyang, state: Sichuan, country: China geolocation: [104.77,31.47] }

{ meteor: Jolomba, year: 1974, geolocation: [15.83333,-11.85], city: Calucinga, state: Bié, country: Angola geolocation: [16.2,-11.3196] }

{ meteor: Juancheng, year: 1997, geolocation: [115.41667,35.5], city: Heze, state: Shandong, country: China geolocation: [115.45,35.23] }

{ meteor: Jumapalo, year: 1984, geolocation: [111.2,-7.71667], city: Madiun, state: Jawa Timur, country: Indonesia geolocation: [111.515,-7.6346] }

{ meteor: Junan, year: 1976, geolocation: [118.8,35.2], city: Linyi, state: Shandong, country: China geolocation: [118.33,35.08] }

{ meteor: Juromenha, year: 1968, geolocation: [-7.27,38.74028], city: Badajoz, state: Extremadura, country: Spain geolocation: [-6.97,38.8804] }

{ meteor: Jesenice, year: 2009, geolocation: [14.05217,46.42137], city: Jesenice, state: Jesenice, country: Slovenia geolocation: [14.0669,46.4306] }

{ meteor: Kabo, year: 1971, geolocation: [8.21667,11.85], city: Kano, state: Kano, country: Nigeria geolocation: [8.52,12] }

{ meteor: Kaidun, year: 1980, geolocation: [48.3,15], city: Al Mukalla, state: Ḩaḑramawt, country: Yemen geolocation: [49.1259,14.5412] }

{ meteor: Kalaba, year: 1951, geolocation: [29.5,-6.83333], city: Moba, state: Tanganyika, country: Congo (Kinshasa) geolocation: [29.72,-7.0596] }

{ meteor: Kandahar (Afghanistan), year: 1959, geolocation: [65.78333,31.6], city: Kandahar, state: Kandahār, country: Afghanistan geolocation: [65.6949,31.61] }

{ meteor: Kaprada, year: 2004, geolocation: [73.22329,20.33916], city: Silvassa, state: Dādra and Nagar Haveli, country: India geolocation: [73.0166,20.2666] }

{ meteor: Karatu, year: 1963, geolocation: [35.58333,-3.5], city: Oldeani, state: Arusha, country: Tanzania geolocation: [35.55,-3.3496] }

{ meteor: Karloowala, year: 1955, geolocation: [71.6,31.58333], city: Dera Ismail Khan, state: Khyber Pakhtunkhwa, country: Pakistan geolocation: [70.8986,31.829] }

{ meteor: Katagum, year: 1999, geolocation: [10.08333,11.33333], city: Azare, state: Bauchi, country: Nigeria geolocation: [10.19,11.6804] }

{ meteor: Kasauli, year: 2003, geolocation: [77.58333,29.58333], city: Muzaffarnagar, state: Uttar Pradesh, country: India geolocation: [77.695,29.485] }

{ meteor: Kavarpura, year: 2006, geolocation: [75.81333,25.14333], city: Kota, state: Rājasthān, country: India geolocation: [75.835,25.18] }

{ meteor: Kayakent, year: 1961, geolocation: [31.78,39.26333], city: Polatlı, state: Ankara, country: Turkey geolocation: [32.1472,39.5842] }

{ meteor: Kemer, year: 2008, geolocation: [29.41822,36.54194], city: Rodos, state: Notío Aigaío, country: Greece geolocation: [28.2225,36.4412] }

{ meteor: Kendrapara, year: 2003, geolocation: [86.70278,20.4625], city: Cuttack, state: Odisha, country: India geolocation: [85.8899,20.47] }

{ meteor: Kidairat, year: 1983, geolocation: [28,14], city: En Nuhud, state: Western Kordofan, country: Sudan geolocation: [28.42,12.6904] }

{ meteor: Kiel, year: 1962, geolocation: [10.15,54.4], city: Kiel, state: Schleswig-Holstein, country: Germany geolocation: [10.13,54.3304] }

{ meteor: Kiffa, year: 1970, geolocation: [-11.33333,16.58333], city: Kiffa, state: Assaba, country: Mauritania geolocation: [-11.4,16.62] }

{ meteor: Kilabo, year: 2002, geolocation: [9.8,12.76667], city: Nguru, state: Yobe, country: Nigeria geolocation: [10.45,12.8804] }

{ meteor: Kingai, year: 1967, geolocation: [24.68333,11.63333], city: Niyala, state: South Darfur, country: Sudan geolocation: [24.89,12.06] }

{ meteor: Kitchener, year: 1998, geolocation: [-80.38333,43.38333], city: Kitchener, state: Ontario, country: Canada geolocation: [-80.5,43.45] }

{ meteor: Kokubunji, year: 1986, geolocation: [133.95,34.3], city: Takamatsu, state: Kagawa, country: Japan geolocation: [134.0448,34.3447] }

{ meteor: Kobe, year: 1999, geolocation: [135.16667,34.73333], city: Kōbe, state: Hyōgo, country: Japan geolocation: [135.17,34.68] }

{ meteor: Košice, year: 2010, geolocation: [21.17633,48.76367], city: Košice, state: Košický, country: Slovakia geolocation: [21.25,48.7304] }

{ meteor: Kulak, year: 1961, geolocation: [66.80222,30.73111], city: Chaman, state: Balochistān, country: Pakistan geolocation: [66.4463,30.925] }

{ meteor: Kunya-Urgench, year: 1998, geolocation: [59.2,42.25], city: Koneurgench, state: , country: Turkmenistan geolocation: [59.1667,42.3167] }

{ meteor: Kutais, year: 1977, geolocation: [39.3,44.51667], city: Apsheronsk, state: Krasnodarskiy Kray, country: Russia geolocation: [39.7287,44.4687] }

{ meteor: La Criolla, year: 1985, geolocation: [-58.16667,-31.23333], city: Concordia, state: Entre Ríos, country: Argentina geolocation: [-58.03,-31.3896] }

{ meteor: Lahrauli, year: 1955, geolocation: [82.71667,26.78333], city: Faizabad, state: Uttar Pradesh, country: India geolocation: [82.17,26.7504] }

{ meteor: Lanxi, year: 1986, geolocation: [126.19611,46.24167], city: Lanxi, state: Heilongjiang, country: China geolocation: [126.276,46.2664] }

{ meteor: Lichtenberg, year: 1973, geolocation: [26.18333,-26.15], city: Mahikeng, state: North West, country: South Africa geolocation: [25.6442,-25.8652] }

{ meteor: Lishui, year: 1978, geolocation: [118.98333,31.63333], city: Maanshan, state: Anhui, country: China geolocation: [118.48,31.7304] }

{ meteor: Lohawat, year: 1994, geolocation: [72.62667,26.96556], city: Jodhpur, state: Rājasthān, country: India geolocation: [73.0168,26.2918] }

{ meteor: Lorton, year: 2010, geolocation: [-77.21163,38.70066], city: Alexandria, state: Virginia, country: United States geolocation: [-77.0861,38.8184] }

{ meteor: Lunan, year: 1980, geolocation: [103.3,24.8], city: Kunming, state: Yunnan, country: China geolocation: [102.68,25.07] }

{ meteor: Lost City, year: 1970, geolocation: [-95.15,36.00833], city: Tahlequah, state: Oklahoma, country: United States geolocation: [-94.9773,35.9116] }

{ meteor: Louisville, year: 1977, geolocation: [-85.75,38.25], city: Shively, state: Kentucky, country: United States geolocation: [-85.8136,38.197] }

{ meteor: Machinga, year: 1981, geolocation: [35.24222,-15.21222], city: Zomba, state: Zomba, country: Malawi geolocation: [35.31,-15.39] }

{ meteor: Madhipura, year: 1950, geolocation: [86.36667,25.91667], city: Rajbiraj, state: , country: Nepal geolocation: [86.7333,26.5333] }

{ meteor: Lusaka, year: 1951, geolocation: [29.43333,-7.21667], city: Moba, state: Tanganyika, country: Congo (Kinshasa) geolocation: [29.72,-7.0596] }

{ meteor: Mahadevpur, year: 2007, geolocation: [95.78333,27.66667], city: Dibrugarh, state: Assam, country: India geolocation: [94.9,27.4833] }

{ meteor: Maigatari-Danduma, year: 2004, geolocation: [9.38333,12.83333], city: Dutse, state: Jigawa, country: Nigeria geolocation: [9.3503,11.7992] }

{ meteor: Magombedze, year: 1990, geolocation: [31.65,-19.48333], city: Masvingo, state: Masvingo, country: Zimbabwe geolocation: [30.82,-20.0596] }

{ meteor: Laochenzhen, year: 1987, geolocation: [115.16667,33.13333], city: Jieshou, state: Anhui, country: China geolocation: [115.35,33.2504] }

{ meteor: Manych, year: 1951, geolocation: [44.63333,45.81667], city: Elista, state: Kalmykiya, country: Russia geolocation: [44.2087,46.3287] }

{ meteor: Maribo, year: 2009, geolocation: [11.46745,54.76183], city: Svendborg, state: Syddanmark, country: Denmark geolocation: [10.6167,55.0704] }

{ meteor: Marilia, year: 1971, geolocation: [-49.93333,-22.25], city: Marília, state: São Paulo, country: Brazil geolocation: [-49.95,-22.21] }

{ meteor: Maromandia, year: 2002, geolocation: [48.1,-14.2], city: Ambanja, state: Antsiranana, country: Madagascar geolocation: [48.45,-13.6829] }

{ meteor: Maryville, year: 1983, geolocation: [-84.1,35.8], city: Farragut, state: Tennessee, country: United States geolocation: [-84.1821,35.8731] }

{ meteor: Mason Gully, year: 2010, geolocation: [0,0], city: Sekondi, state: Western, country: Ghana geolocation: [-1.704,4.9433] }

{ meteor: Leighlinbridge, year: 1999, geolocation: [-6.96667,52.66667], city: Kilkenny, state: Kilkenny, country: Ireland geolocation: [-7.2523,52.6545] }

{ meteor: Mayo Belwa, year: 1974, geolocation: [12.08333,8.96667], city: Yola, state: Adamawa, country: Nigeria geolocation: [12.48,9.21] }

{ meteor: Malakal, year: 1970, geolocation: [31.75,9.5], city: Malakal, state: Upper Nile, country: South Sudan geolocation: [31.656,9.5369] }

{ meteor: Mbale, year: 1992, geolocation: [34.16667,1.06667], city: Mbale, state: Mbale, country: Uganda geolocation: [34.17,1.0904] }

{ meteor: Medanitos, year: 1953, geolocation: [-67.5,-27.25], city: Belen, state: Catamarca, country: Argentina geolocation: [-67.0333,-27.6496] }

{ meteor: Messina, year: 1955, geolocation: [15.56667,38.18333], city: Messina, state: Sicilia, country: Italy geolocation: [15.55,38.2005] }

{ meteor: Mianchi, year: 1980, geolocation: [111.7,34.8], city: Luoyang, state: Henan, country: China geolocation: [112.4701,34.68] }

{ meteor: Mifflin, year: 2010, geolocation: [-90.36556,42.9075], city: Platteville, state: Wisconsin, country: United States geolocation: [-90.4716,42.7334] }

{ meteor: Mihonoseki, year: 1992, geolocation: [133.22,35.56833], city: Matsue, state: Shimane, country: Japan geolocation: [133.0666,35.467] }

{ meteor: Millbillillie, year: 1960, geolocation: [120.36667,-26.45], city: Meekatharra, state: Western Australia, country: Australia geolocation: [118.4833,-26.6] }

{ meteor: Min-Fan-Zhun, year: 1952, geolocation: [120.66667,32.33333], city: Nantong, state: Jiangsu, country: China geolocation: [120.825,32.0304] }

{ meteor: Monze, year: 1950, geolocation: [27.35,-15.96667], city: Mazabuka, state: Southern, country: Zambia geolocation: [27.76,-15.86] }

{ meteor: Monahans (1998), year: 1998, geolocation: [-102.85833,31.60833], city: Monahans, state: Texas, country: United States geolocation: [-103.0414,31.6291] }

{ meteor: Morávka, year: 2000, geolocation: [18.53333,49.6], city: Ostrava, state: Moravskoslezský Kraj , country: Czechia geolocation: [18.25,49.8304] }

{ meteor: Monte das Fortes, year: 1950, geolocation: [-8.25,38.01667], city: Beja, state: Beja, country: Portugal geolocation: [-7.863,38.014] }

{ meteor: Molteno, year: 1953, geolocation: [26.46667,-31.25], city: Aliwal North, state: Eastern Cape, country: South Africa geolocation: [26.71,-30.6896] }

{ meteor: Moss, year: 2006, geolocation: [10.7,59.43333], city: Moss, state: Østfold, country: Norway geolocation: [10.6692,59.437] }

{ meteor: Murchison, year: 1969, geolocation: [145.2,-36.61667], city: Shepparton, state: Victoria, country: Australia geolocation: [145.3914,-36.3746] }

{ meteor: Murray, year: 1950, geolocation: [-88.1,36.6], city: Murray, state: Kentucky, country: United States geolocation: [-88.3204,36.6146] }

{ meteor: Muzaffarpur, year: 1964, geolocation: [85.53333,26.13333], city: Muzaffarpur, state: Bihār, country: India geolocation: [85.3799,26.1204] }

{ meteor: Nadiabondi, year: 1956, geolocation: [1,12], city: Fada Ngourma, state: Est, country: Burkina Faso geolocation: [0.361,12.055] }

{ meteor: Mount Tazerzait, year: 1991, geolocation: [4.8,18.7], city: Arlit, state: Agadez, country: Niger geolocation: [7.33,18.82] }

{ meteor: Nantong, year: 1984, geolocation: [121.8,32.11667], city: Nantong, state: Jiangsu, country: China geolocation: [120.825,32.0304] }

{ meteor: Naragh, year: 1974, geolocation: [51.5,33.75], city: Kashan, state: Eşfahān, country: Iran geolocation: [51.58,33.9804] }

{ meteor: Neagari, year: 1995, geolocation: [136.46528,36.44917], city: Kanazawa, state: Ishikawa, country: Japan geolocation: [136.64,36.56] }

{ meteor: Nejo, year: 1970, geolocation: [35.33333,9.5], city: Gimbi, state: Oromīya, country: Ethiopia geolocation: [35.8333,9.167] }

{ meteor: Neuschwanstein, year: 2002, geolocation: [10.80833,47.525], city: Innsbruck, state: Tirol, country: Austria geolocation: [11.41,47.2804] }

{ meteor: New Halfa, year: 1994, geolocation: [35.68333,15.36667], city: Kassala, state: Kassala, country: Sudan geolocation: [36.39,15.46] }

{ meteor: Nikolskoe, year: 1954, geolocation: [37.33333,56.11667], city: Solnechnogorsk, state: Moskovskaya Oblast’, country: Russia geolocation: [36.9809,56.1807] }

{ meteor: New Orleans, year: 2003, geolocation: [-90.10976,29.94718], city: Westwego, state: Louisiana, country: United States geolocation: [-90.1434,29.9058] }

{ meteor: Ningbo, year: 1975, geolocation: [121.48333,29.86667], city: Ningbo, state: Zhejiang, country: China geolocation: [121.55,29.88] }

{ meteor: Ningqiang, year: 1983, geolocation: [105.90667,32.925], city: Guangyuan, state: Sichuan, country: China geolocation: [105.87,32.43] }

{ meteor: Noblesville, year: 1991, geolocation: [-86.055,40.08528], city: Noblesville, state: Indiana, country: United States geolocation: [-86.0056,40.0354] }

{ meteor: Noventa Vicentina, year: 1971, geolocation: [11.52722,45.29167], city: Verona, state: Veneto, country: Italy geolocation: [10.99,45.4404] }

{ meteor: Nuevo Mercurio, year: 1978, geolocation: [-102.13333,24.3], city: Parras, state: Coahuila de Zaragoza, country: Mexico geolocation: [-102.1799,25.4204] }

{ meteor: Ohuma, year: 1963, geolocation: [8.5,6.75], city: Abakaliki, state: Ebonyi, country: Nigeria geolocation: [8.1137,6.3249] }

{ meteor: Okabe, year: 1958, geolocation: [139.21667,36.18333], city: Maebashi, state: Gunma, country: Japan geolocation: [139.0727,36.3927] }

{ meteor: Orlando, year: 2004, geolocation: [-81.36222,28.5475], city: Winter Park, state: Florida, country: United States geolocation: [-81.3436,28.5986] }

{ meteor: Ouadangou, year: 2003, geolocation: [0.08,12.9], city: Bogandé, state: Est, country: Burkina Faso geolocation: [-0.138,12.969] }

{ meteor: Oued el Hadjar, year: 1986, geolocation: [-6.57717,30.18], city: Marrakesh, state: Marrakech-Safi, country: Morocco geolocation: [-8,31.63] }

{ meteor: Omolon, year: 1981, geolocation: [161.80833,64.02], city: Omolon, state: Chukotskiy Avtonomnyy Okrug, country: Russia geolocation: [160.5,65.25] }

{ meteor: Ourique, year: 1998, geolocation: [-8.28,37.60833], city: Portimão, state: Faro, country: Portugal geolocation: [-8.5333,37.1337] }

{ meteor: Oum Dreyga, year: 2003, geolocation: [-13.1,24.3], city: Fderik, state: Tiris Zemmour, country: Mauritania geolocation: [-12.707,22.679] }

{ meteor: Palca de Aparzo, year: 1988, geolocation: [-65.1,-23.11667], city: Humahuaca, state: Jujuy, country: Argentina geolocation: [-65.3499,-23.2] }

{ meteor: Paranaiba, year: 1956, geolocation: [-51.66667,-19.13333], city: Paranaíba, state: Mato Grosso do Sul, country: Brazil geolocation: [-51.2,-19.6796] }

{ meteor: Park Forest, year: 2003, geolocation: [-87.67917,41.48472], city: Park Forest, state: Illinois, country: United States geolocation: [-87.6867,41.4817] }

{ meteor: Patora, year: 1969, geolocation: [82.05,20.93694], city: Raipur, state: Chhattīsgarh, country: India geolocation: [81.635,21.235] }

{ meteor: Patrimonio, year: 1950, geolocation: [-48.56667,-19.53333], city: Frutal, state: Minas Gerais, country: Brazil geolocation: [-48.94,-20.03] }

{ meteor: Parambu, year: 1967, geolocation: [-40.7,-6.23333], city: Tauá, state: Ceará, country: Brazil geolocation: [-40.31,-5.9995] }

{ meteor: Pavel, year: 1966, geolocation: [25.51667,43.46667], city: Turnovo, state: Veliko Tarnovo, country: Bulgaria geolocation: [25.6555,43.0862] }

{ meteor: Pê, year: 1989, geolocation: [-3.54217,11.33367], city: Diébougou, state: Sud-Ouest, country: Burkina Faso geolocation: [-3.248,10.952] }

{ meteor: Peace River, year: 1963, geolocation: [-117.93333,56.13333], city: Peace River, state: Alberta, country: Canada geolocation: [-117.2833,56.2333] }

{ meteor: Peckelsheim, year: 1953, geolocation: [9.25,51.66667], city: Kassel, state: Hesse, country: Germany geolocation: [9.5,51.3] }

{ meteor: Peekskill, year: 1992, geolocation: [-73.91667,41.28333], city: Peekskill, state: New York, country: United States geolocation: [-73.9227,41.2883] }

{ meteor: Pétèlkolé, year: 1995, geolocation: [0.42,14.052], city: Dori, state: Sahel, country: Burkina Faso geolocation: [-0.028,14.034] }

{ meteor: Pleşcoi, year: 2008, geolocation: [26.70972,45.275], city: Buzău, state: Buzău, country: Romania geolocation: [26.8065,45.1565] }

{ meteor: Piancaldoli, year: 1968, geolocation: [11.50222,44.24417], city: Bologna, state: Emilia-Romagna, country: Italy geolocation: [11.34,44.5004] }

{ meteor: Portales Valley, year: 1998, geolocation: [-103.295,34.175], city: Portales, state: New Mexico, country: United States geolocation: [-103.3543,34.1765] }

{ meteor: Piplia Kalan, year: 1996, geolocation: [73.94167,26.03472], city: Pali, state: Rājasthān, country: India geolocation: [73.3299,25.7904] }

{ meteor: Puerto Lápice, year: 2007, geolocation: [-3.51667,39.35], city: Toledo, state: Castille-La Mancha, country: Spain geolocation: [-4.0167,39.867] }

{ meteor: Quija, year: 1990, geolocation: [126.13333,44.61667], city: Jiutai, state: Jilin, country: China geolocation: [125.8443,44.1447] }

{ meteor: Raco, year: 1957, geolocation: [-65.45,-26.66667], city: Tucumán, state: Tucumán, country: Argentina geolocation: [-65.2166,-26.816] }

{ meteor: Qingzhen, year: 1976, geolocation: [106.46667,26.53333], city: Guiyang, state: Guizhou, country: China geolocation: [106.72,26.58] }

{ meteor: Raghunathpura, year: 1986, geolocation: [76.465,27.72528], city: Alwar, state: Rājasthān, country: India geolocation: [76.6049,27.5454] }

{ meteor: Rahimyar Khan, year: 1983, geolocation: [70.2,28.225], city: Sadiqabad, state: Punjab, country: Pakistan geolocation: [70.1302,28.3006] }

{ meteor: Ramsdorf, year: 1958, geolocation: [6.93333,51.88333], city: Münster, state: North Rhine-Westphalia, country: Germany geolocation: [7.62,51.9704] }

{ meteor: Ras Tanura, year: 1961, geolocation: [50.15,26.66667], city: Al-Qatif, state: Ash Sharqīyah, country: Saudi Arabia geolocation: [50.0115,26.5196] }

{ meteor: Qidong, year: 1982, geolocation: [121.5,32.08333], city: Nantong, state: Jiangsu, country: China geolocation: [120.825,32.0304] }

{ meteor: Red Canyon Lake, year: 2007, geolocation: [-119.75812,38.13742], city: Sonora, state: California, country: United States geolocation: [-120.3828,37.9819] }

{ meteor: Pribram, year: 1959, geolocation: [14.03333,49.66667], city: Pizen, state: Plzeňský Kraj, country: Czechia geolocation: [13.36,49.7404] }

{ meteor: Revelstoke, year: 1965, geolocation: [-118.95,51.33333], city: Revelstoke, state: British Columbia, country: Canada geolocation: [-118.1833,51.0005] }

{ meteor: Richland Springs, year: 1980, geolocation: [-99.03333,31.25], city: Brady, state: Texas, country: United States geolocation: [-99.3711,31.1324] }

{ meteor: Ruhobobo, year: 1976, geolocation: [29.83333,-1.45], city: Kisoro, state: Kisoro, country: Uganda geolocation: [29.6983,-1.3539] }

{ meteor: Sabrum, year: 1999, geolocation: [91.66667,23.08333], city: Comilla, state: Chittagong, country: Bangladesh geolocation: [91.17,23.4704] }

{ meteor: Saint-Séverin, year: 1966, geolocation: [0.23333,45.3], city: Bordeaux, state: Nouvelle-Aquitaine, country: France geolocation: [-0.595,44.85] }

{ meteor: Salem, year: 1981, geolocation: [-122.96944,44.97917], city: Keizer, state: Oregon, country: United States geolocation: [-123.0242,45.0028] }

{ meteor: Salzwedel, year: 1985, geolocation: [11.05,52.75], city: Braunschweig, state: Lower Saxony, country: Germany geolocation: [10.5,52.25] }

{ meteor: San Pedro de Quiles, year: 1956, geolocation: [-71.4,-31.01667], city: Combarbalá, state: Coquimbo, country: Chile geolocation: [-71,-31.18] }

{ meteor: San Pedro Jacuaro, year: 1968, geolocation: [-100.65,19.76667], city: Ciudad Hidalgo, state: Michoacán de Ocampo, country: Mexico geolocation: [-100.57,19.68] }

{ meteor: Santa Lucia (2008), year: 2008, geolocation: [-68.489444,-31.535556], city: San Juan, state: San Juan, country: Argentina geolocation: [-68.52,-31.55] }

{ meteor: São Jose do Rio Preto, year: 1962, geolocation: [-49.38056,-20.81], city: São José do Rio Preto, state: São Paulo, country: Brazil geolocation: [-49.39,-20.7996] }

{ meteor: San Michele, year: 2002, geolocation: [13,43.66667], city: Ancona, state: Marche, country: Italy geolocation: [13.4999,43.6004] }

{ meteor: Sayama, year: 1986, geolocation: [139.4,35.86667], city: Kawagoe, state: Saitama, country: Japan geolocation: [139.4911,35.9177] }

{ meteor: Schenectady, year: 1968, geolocation: [-73.95028,42.86083], city: Scotia, state: New York, country: United States geolocation: [-73.9607,42.8322] }

{ meteor: San Juan Capistrano, year: 1973, geolocation: [-117.6625,33.48472], city: San Juan Capistrano, state: California, country: United States geolocation: [-117.6544,33.5009] }

{ meteor: Seoni, year: 1966, geolocation: [79.50083,21.68389], city: Nagpur, state: Mahārāshtra, country: India geolocation: [79.09,21.17] }

{ meteor: Senboku, year: 1993, geolocation: [140.51167,39.43833], city: Akita, state: Akita, country: Japan geolocation: [140.09,39.71] }

{ meteor: Sfax, year: 1989, geolocation: [10.71667,34.75], city: Sfax, state: Sfax, country: Tunisia geolocation: [10.72,34.75] }

{ meteor: Sheyang, year: 1976, geolocation: [120.06667,33.65], city: Yancheng, state: Jiangsu, country: China geolocation: [120.1253,33.3856] }

{ meteor: Shuangyang, year: 1971, geolocation: [125.66667,43.5], city: Changchun, state: Jilin, country: China geolocation: [125.34,43.865] }

{ meteor: Silao, year: 1995, geolocation: [-101.38333,20.93333], city: Guanajuato, state: Guanajuato, country: Mexico geolocation: [-101.28,21.0204] }

{ meteor: Sinnai, year: 1956, geolocation: [9.2,39.3], city: Cagliari, state: Sardegna, country: Italy geolocation: [9.104,39.2224] }

{ meteor: Sivas, year: 1989, geolocation: [36.13583,39.82467], city: Tokat, state: Tokat, country: Turkey geolocation: [36.563,40.306] }

{ meteor: Sixiangkou, year: 1989, geolocation: [119.86667,32.43333], city: Taizhou, state: Jiangsu, country: China geolocation: [119.9,32.4904] }

{ meteor: Soheria, year: 1960, geolocation: [84.06667,27.13333], city: Gorakhpur, state: Uttar Pradesh, country: India geolocation: [83.38,26.7504] }

{ meteor: Sołtmany, year: 2011, geolocation: [22.005,54.00883], city: Ełk, state: Warmińsko-Mazurskie, country: Poland geolocation: [22.35,53.8337] }

{ meteor: Songyuan, year: 1993, geolocation: [125,45.25], city: Fuyu, state: Jilin, country: China geolocation: [124.82,45.1804] }

{ meteor: St. Louis, year: 1950, geolocation: [-90.23333,38.7], city: Jennings, state: Missouri, country: United States geolocation: [-90.2643,38.723] }

{ meteor: St.-Chinian, year: 1959, geolocation: [2.95,43.43333], city: Béziers, state: Occitanie, country: France geolocation: [3.21,43.3505] }

{ meteor: Stratford, year: 1974, geolocation: [-73.13333,41.2], city: Bridgeport, state: Connecticut, country: United States geolocation: [-73.1958,41.1909] }

{ meteor: Ste. Marguerite, year: 1962, geolocation: [3,50.76667], city: Lille, state: Hauts-de-France, country: France geolocation: [3.08,50.65] }

{ meteor: St-Robert, year: 1994, geolocation: [-72.97806,45.96861], city: Joliette, state: Québec, country: Canada geolocation: [-73.4333,46.0333] }

{ meteor: Suchy Dul, year: 1969, geolocation: [16.26333,50.53806], city: Hradec Králové, state: Královéhradecký Kraj, country: Czechia geolocation: [15.812,50.206] }

{ meteor: Suizhou, year: 1986, geolocation: [113.46667,31.61667], city: Anlu, state: Hubei, country: China geolocation: [113.67,31.27] }

{ meteor: Sulagiri, year: 2008, geolocation: [78.03333,12.66667], city: Kolar, state: Karnātaka, country: India geolocation: [78.1334,13.1337] }

{ meteor: Sutter's Mill, year: 2012, geolocation: [-120.90806,38.80389], city: Placerville, state: California, country: United States geolocation: [-120.7979,38.7309] }

{ meteor: Sylacauga, year: 1954, geolocation: [-86.2945,33.18836], city: Sylacauga, state: Alabama, country: United States geolocation: [-86.2606,33.1779] }

{ meteor: Tagish Lake, year: 2000, geolocation: [-134.20139,59.70444], city: Whitehorse, state: Yukon, country: Canada geolocation: [-135.05,60.7167] }

{ meteor: Tahara, year: 1991, geolocation: [137.305,34.72], city: Hamamatsu, state: Shizuoka, country: Japan geolocation: [137.7327,34.7181] }

{ meteor: Sterlitamak, year: 1990, geolocation: [55.98333,53.66667], city: Sterlitamak, state: Bashkortostan, country: Russia geolocation: [55.96,53.63] }

{ meteor: Tamdakht, year: 2008, geolocation: [-7.015,31.16333], city: Marrakesh, state: Marrakech-Safi, country: Morocco geolocation: [-8,31.63] }

{ meteor: Tambakwatu, year: 1975, geolocation: [112.76667,-7.75], city: Pasuruan, state: Jawa Timur, country: Indonesia geolocation: [112.9,-7.6296] }

{ meteor: Taonan, year: 1965, geolocation: [122.9,45.4], city: Taonan, state: Jilin, country: China geolocation: [122.78,45.3304] }

{ meteor: Thal, year: 1950, geolocation: [70.6,33.4], city: Bannu, state: Khyber Pakhtunkhwa, country: Pakistan geolocation: [70.5986,32.989] }

{ meteor: Thika, year: 2011, geolocation: [37.15028,-1.00278], city: Thika, state: Kiambu, country: Kenya geolocation: [37.09,-1.0396] }

{ meteor: Tathlith, year: 1967, geolocation: [43.73333,19.38333], city: Qal at Bishah, state: , country: Saudi Arabia geolocation: [42.5987,20.0087] }

{ meteor: Thuathe, year: 2002, geolocation: [27.58333,-29.33333], city: Maseru, state: Maseru, country: Lesotho geolocation: [27.4833,-29.3167] }

{ meteor: Tianzhang, year: 1986, geolocation: [118.99,32.94667], city: Huaiyin, state: Jiangsu, country: China geolocation: [119.03,33.58] }

{ meteor: Tillaberi, year: 1970, geolocation: [1.53333,14.25], city: Tillabéri, state: Tillabéri, country: Niger geolocation: [1.4531,14.212] }

{ meteor: Tissint, year: 2011, geolocation: [-7.61123,29.48195], city: Tiznit, state: Souss-Massa, country: Morocco geolocation: [-9.74,29.7104] }