# MongoDB

## Assignment-3

## Question:

Mongo DB Exercises - With the Restaurants Data Set

1. Download the restaurants.zip file

2. Unzip the file, you will see restaurants.json file

3. Run the mongod server

4. Run the following command to import the json file provided. It will load the json file into the mongodb with database name - restaurants, collections name – addresses

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

5. Run mongo shell command

6. show databases

7. use restaurants

8. db.addresses.find() should print entire json data

9. Then start working on the following exercises and submit your queries as the answers to the questions

## Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> use retaurants

switched to db retaurants

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.createCollection('addresses')

{

```
    "ok" : 1,

    "$clusterTime" : {

        "clusterTime" : Timestamp(1610716673, 1),

        "signature" : {

            "hash" : BinData(0,"+n+m8gPVXgfLy+imrQlaglsg6Qg="),

            "keyId" : NumberLong("6858480936787378180")

        }

    },

    "operationTime" : Timestamp(1610716673, 1)

}
```

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> show databases

admin          0.000GB

dfwef          0.000GB

local          3.411GB

mongo_practice  0.000GB

population     0.002GB

retaurants     0.001GB

test           0.000GB

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> use retaurants

switched to db retaurants

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find()

{ "_id" : ObjectId("6001961fc0a4a415fcebbd99"), "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("6001961fc0a4a415fcebbd9a"), "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("6001961fc0a4a415fcebbd9b"), "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("6001961fc0a4a415fcebbd9c"), "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("6001961fc0a4a415fcebbd9d"), "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("6001961fc0a4a415fcebbd9e"), "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("6001961fc0a4a415fcebbd9f"), "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("6001961fc0a4a415fcebbda0"), "address" : { "building" : "7114", "coord" : [ -73.9068506, 40.6199034 ], "street" : "Avenue U", "zipcode" : "11234" }, "borough" : "Brooklyn", "cuisine" : "Delicatessen", "grades" : [ { "date" : ISODate("2014-05-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-01-14T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-08-03T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-07-18T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-03-09T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-10-14T00:00:00Z"), "grade" : "A",

"score" : 9 } ], "name" : "Wilken'S Fine Food", "restaurant_id" : "40356483" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda1"), "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("6001961fc0a4a415fcebbda2"), "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("6001961fc0a4a415fcebbda3"), "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("6001961fc0a4a415fcebbda4"), "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("6001961fc0a4a415fcebbda5"), "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("6001961fc0a4a415fcebbda6"), "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("6001961fc0a4a415fcebbda7"), "address" : { "building" : "705", "coord" : [ -73.9653967, 40.6064339 ], "street" : "Kings Highway", "zipcode" : "11223" }, "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "grades" : [ { "date" : ISODate("2014-11-10T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-10-10T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-10-04T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-05-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-12-30T00:00:00Z"), "grade" : "B", "score" : 19 } ], "name" : "Seuda Foods", "restaurant_id" : "40360045" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda8"), "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("6001961fc0a4a415fcebbda9"), "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("6001961fc0a4a415fcebbdaa"), "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("6001961fc0a4a415fcebbdab"), "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("6001961fc0a4a415fcebbdac"), "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" }

# Question:

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

## Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find().pretty()

{
    "_id" : ObjectId("6001961fc0a4a415fcebbd99"),
    "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("6001961fc0a4a415fcebbd9a"),

            "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("6001961fc0a4a415fcebbd9b"),

"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("6001961fc0a4a415fcebbd9c"),

    "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("6001961fc0a4a415fcebbd9d"),

        "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("6001961fc0a4a415fcebbd9e"),

    "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("6001961fc0a4a415fcebbd9f"),

    "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("6001961fc0a4a415fcebbda0"),
        "address" : {
```

```
        "building" : "7114",

        "coord" : [

                -73.9068506,

                40.6199034

        ],

        "street" : "Avenue U",

        "zipcode" : "11234"

},

"borough" : "Brooklyn",

"cuisine" : "Delicatessen",

"grades" : [

        {

                "date" : ISODate("2014-05-29T00:00:00Z"),

                "grade" : "A",

                "score" : 10

        },

        {

                "date" : ISODate("2014-01-14T00:00:00Z"),

                "grade" : "A",

                "score" : 10

        },

        {

                "date" : ISODate("2013-08-03T00:00:00Z"),

                "grade" : "A",
```

```
                    "score" : 8
            },
            {
                    "date" : ISODate("2012-07-18T00:00:00Z"),
                    "grade" : "A",
                    "score" : 10
            },
            {
                    "date" : ISODate("2012-03-09T00:00:00Z"),
                    "grade" : "A",
                    "score" : 13
            },
            {
                    "date" : ISODate("2011-10-14T00:00:00Z"),
                    "grade" : "A",
                    "score" : 9
            }
    ],
    "name" : "Wilken'S Fine Food",
    "restaurant_id" : "40356483"
}
{
    "_id" : ObjectId("6001961fc0a4a415fcebbda1"),
    "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("6001961fc0a4a415fcebbda2"),
    "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("6001961fc0a4a415fcebbda3"),
        "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("6001961fc0a4a415fcebbda4"),
    "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("6001961fc0a4a415fcebbda5"),
    "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("6001961fc0a4a415fcebbda6"),
    "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("6001961fc0a4a415fcebbda7"),
        "address" : {
                "building" : "705",
                "coord" : [
                        -73.9653967,
                        40.6064339
                ],
                "street" : "Kings Highway",
                "zipcode" : "11223"
```

```
        },
"borough" : "Brooklyn",
"cuisine" : "Jewish/Kosher",
"grades" : [
        {
                "date" : ISODate("2014-11-10T00:00:00Z"),
                "grade" : "A",
                "score" : 11
        },
        {
                "date" : ISODate("2013-10-10T00:00:00Z"),
                "grade" : "A",
                "score" : 13
        },
        {
                "date" : ISODate("2012-10-04T00:00:00Z"),
                "grade" : "A",
                "score" : 7
        },
        {
                "date" : ISODate("2012-05-21T00:00:00Z"),
                "grade" : "A",
                "score" : 9
        },
```

```
                {
                        "date" : ISODate("2011-12-30T00:00:00Z"),

                        "grade" : "B",

                        "score" : 19

                }

        ],

        "name" : "Seuda Foods",

        "restaurant_id" : "40360045"

}

{

        "_id" : ObjectId("6001961fc0a4a415fcebbda8"),

        "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("6001961fc0a4a415fcebbda9"),
        "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("6001961fc0a4a415fcebbdaa"),

        "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("6001961fc0a4a415fcebbdab"),
```

```
"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("6001961fc0a4a415fcebbdac"),

      "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"

}
```

## Question-2:

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

## Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find({},
{restaurant_id:1, name:1,borough:1, cuisine:1 }).pretty()

```
{

    "_id" : ObjectId("6001961fc0a4a415fcebbd99"),

    "borough" : "Bronx",

    "cuisine" : "Bakery",

    "name" : "Morris Park Bake Shop",

    "restaurant_id" : "30075445"

}

{

    "_id" : ObjectId("6001961fc0a4a415fcebbd9a"),
```

```
        "borough" : "Brooklyn",

        "cuisine" : "Hamburgers",

        "name" : "Wendy'S",

        "restaurant_id" : "30112340"

}

{

        "_id" : ObjectId("6001961fc0a4a415fcebbd9b"),

        "borough" : "Manhattan",

        "cuisine" : "Irish",

        "name" : "Dj Reynolds Pub And Restaurant",

        "restaurant_id" : "30191841"

}

{

        "_id" : ObjectId("6001961fc0a4a415fcebbd9c"),

        "borough" : "Brooklyn",

        "cuisine" : "American ",

        "name" : "Riviera Caterer",

        "restaurant_id" : "40356018"

}

{

        "_id" : ObjectId("6001961fc0a4a415fcebbd9d"),

        "borough" : "Queens",

        "cuisine" : "Jewish/Kosher",

        "name" : "Tov Kosher Kitchen",
```

        "restaurant_id" : "40356068"

}

{

        "_id" : ObjectId("6001961fc0a4a415fcebbd9e"),

        "borough" : "Queens",

        "cuisine" : "American ",

        "name" : "Brunos On The Boulevard",

        "restaurant_id" : "40356151"

}

{

        "_id" : ObjectId("6001961fc0a4a415fcebbd9f"),

        "borough" : "Staten Island",

        "cuisine" : "Jewish/Kosher",

        "name" : "Kosher Island",

        "restaurant_id" : "40356442"

}

{

        "_id" : ObjectId("6001961fc0a4a415fcebbda0"),

        "borough" : "Brooklyn",

        "cuisine" : "Delicatessen",

        "name" : "Wilken'S Fine Food",

        "restaurant_id" : "40356483"

}

{

```
        "_id" : ObjectId("6001961fc0a4a415fcebbda1"),

        "borough" : "Brooklyn",

        "cuisine" : "American ",

        "name" : "Regina Caterers",

        "restaurant_id" : "40356649"
}
{

        "_id" : ObjectId("6001961fc0a4a415fcebbda2"),

        "borough" : "Brooklyn",

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

        "name" : "Taste The Tropics Ice Cream",

        "restaurant_id" : "40356731"
}
{

        "_id" : ObjectId("6001961fc0a4a415fcebbda3"),

        "borough" : "Bronx",

        "cuisine" : "American ",

        "name" : "Wild Asia",

        "restaurant_id" : "40357217"
}
{

        "_id" : ObjectId("6001961fc0a4a415fcebbda4"),

        "borough" : "Brooklyn",

        "cuisine" : "American ",
```

```
        "name" : "C & C Catering Service",

        "restaurant_id" : "40357437"

}

{

        "_id" : ObjectId("6001961fc0a4a415fcebbda5"),

        "borough" : "Brooklyn",

        "cuisine" : "Chinese",

        "name" : "May May Kitchen",

        "restaurant_id" : "40358429"

}

{

        "_id" : ObjectId("6001961fc0a4a415fcebbda6"),

        "borough" : "Manhattan",

        "cuisine" : "American ",

        "name" : "1 East 66Th Street Kitchen",

        "restaurant_id" : "40359480"

}

{

        "_id" : ObjectId("6001961fc0a4a415fcebbda7"),

        "borough" : "Brooklyn",

        "cuisine" : "Jewish/Kosher",

        "name" : "Seuda Foods",

        "restaurant_id" : "40360045"

}
```

```
{
    "_id" : ObjectId("6001961fc0a4a415fcebbda8"),
    "borough" : "Brooklyn",
    "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
    "name" : "Carvel Ice Cream",
    "restaurant_id" : "40360076"
}
{
    "_id" : ObjectId("6001961fc0a4a415fcebbda9"),
    "borough" : "Queens",
    "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
    "name" : "Carvel Ice Cream",
    "restaurant_id" : "40361322"
}
{
    "_id" : ObjectId("6001961fc0a4a415fcebbdaa"),
    "borough" : "Brooklyn",
    "cuisine" : "Delicatessen",
    "name" : "Nordic Delicacies",
    "restaurant_id" : "40361390"
}
{
    "_id" : ObjectId("6001961fc0a4a415fcebbdab"),
    "borough" : "Manhattan",
```

"cuisine" : "American ",

        "name" : "Glorious Food",

        "restaurant_id" : "40361521"

}

{

        "_id" : ObjectId("6001961fc0a4a415fcebbdac"),

        "borough" : "Brooklyn",

        "cuisine" : "American ",

        "name" : "The Movable Feast",

        "restaurant_id" : "40361606"

}

# Question-3:

**3. Write a MongoDB query to display the fields restaurant_id, name, borough and cuisine, but exclude the field _id for all the documents in the collection restau**rant.

# Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find({},
{restaurant_id:1, _id:0, name:1,borough:1, cuisine:1 }).pretty()

{

        "borough" : "Bronx",

        "cuisine" : "Bakery",

        "name" : "Morris Park Bake Shop",

        "restaurant_id" : "30075445"

}

{

```
        "borough" : "Brooklyn",

        "cuisine" : "Hamburgers",

        "name" : "Wendy'S",

        "restaurant_id" : "30112340"

}

{

        "borough" : "Manhattan",

        "cuisine" : "Irish",

        "name" : "Dj Reynolds Pub And Restaurant",

        "restaurant_id" : "30191841"

}

{

        "borough" : "Brooklyn",

        "cuisine" : "American ",

        "name" : "Riviera Caterer",

        "restaurant_id" : "40356018"

}

{

        "borough" : "Queens",

        "cuisine" : "Jewish/Kosher",

        "name" : "Tov Kosher Kitchen",

        "restaurant_id" : "40356068"

}

{
```

        "borough" : "Queens",

        "cuisine" : "American ",

        "name" : "Brunos On The Boulevard",

        "restaurant_id" : "40356151"

}

{

        "borough" : "Staten Island",

        "cuisine" : "Jewish/Kosher",

        "name" : "Kosher Island",

        "restaurant_id" : "40356442"

}

{

        "borough" : "Brooklyn",

        "cuisine" : "Delicatessen",

        "name" : "Wilken'S Fine Food",

        "restaurant_id" : "40356483"

}

{

        "borough" : "Brooklyn",

        "cuisine" : "American ",

        "name" : "Regina Caterers",

        "restaurant_id" : "40356649"

}

{

```
        "borough" : "Brooklyn",

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

        "name" : "Taste The Tropics Ice Cream",

        "restaurant_id" : "40356731"

}

{

        "borough" : "Bronx",

        "cuisine" : "American ",

        "name" : "Wild Asia",

        "restaurant_id" : "40357217"

}

{

        "borough" : "Brooklyn",

        "cuisine" : "American ",

        "name" : "C & C Catering Service",

        "restaurant_id" : "40357437"

}

{

        "borough" : "Brooklyn",

        "cuisine" : "Chinese",

        "name" : "May May Kitchen",

        "restaurant_id" : "40358429"

}

{
```

```
        "borough" : "Manhattan",

        "cuisine" : "American ",

        "name" : "1 East 66Th Street Kitchen",

        "restaurant_id" : "40359480"

}

{

        "borough" : "Brooklyn",

        "cuisine" : "Jewish/Kosher",

        "name" : "Seuda Foods",

        "restaurant_id" : "40360045"

}

{

        "borough" : "Brooklyn",

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

        "name" : "Carvel Ice Cream",

        "restaurant_id" : "40360076"

}

{

        "borough" : "Queens",

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

        "name" : "Carvel Ice Cream",

        "restaurant_id" : "40361322"

}

{
```

```
        "borough" : "Brooklyn",

        "cuisine" : "Delicatessen",

        "name" : "Nordic Delicacies",

        "restaurant_id" : "40361390"

}

{

        "borough" : "Manhattan",

        "cuisine" : "American ",

        "name" : "Glorious Food",

        "restaurant_id" : "40361521"

}

{

        "borough" : "Brooklyn",

        "cuisine" : "American ",

        "name" : "The Movable Feast",

        "restaurant_id" : "40361606"

}
```

## Question-4:

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

## Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find({},
{restaurant_id:1, _id:0, name:1,borough:1, "address.zipcode":1 }).pretty()

{

        "address" : {

                "zipcode" : "10462"

        },

        "borough" : "Bronx",

        "name" : "Morris Park Bake Shop",

        "restaurant_id" : "30075445"

}

{

        "address" : {

                "zipcode" : "11225"

        },

        "borough" : "Brooklyn",

        "name" : "Wendy'S",

        "restaurant_id" : "30112340"

}

{

        "address" : {

                "zipcode" : "10019"

        },

        "borough" : "Manhattan",

        "name" : "Dj Reynolds Pub And Restaurant",

        "restaurant_id" : "30191841"

}

{

```
        "address" : {
                "zipcode" : "11224"
        },
        "borough" : "Brooklyn",
        "name" : "Riviera Caterer",
        "restaurant_id" : "40356018"
}
{
        "address" : {
                "zipcode" : "11374"
        },
        "borough" : "Queens",
        "name" : "Tov Kosher Kitchen",
        "restaurant_id" : "40356068"
}
{
        "address" : {
                "zipcode" : "11369"
        },
        "borough" : "Queens",
        "name" : "Brunos On The Boulevard",
        "restaurant_id" : "40356151"
}
{
```

```
      "address" : {
            "zipcode" : "10314"
      },
      "borough" : "Staten Island",
      "name" : "Kosher Island",
      "restaurant_id" : "40356442"
}
{
      "address" : {
            "zipcode" : "11234"
      },
      "borough" : "Brooklyn",
      "name" : "Wilken'S Fine Food",
      "restaurant_id" : "40356483"
}
{
      "address" : {
            "zipcode" : "11219"
      },
      "borough" : "Brooklyn",
      "name" : "Regina Caterers",
      "restaurant_id" : "40356649"
}
{
```

```
        "address" : {
              "zipcode" : "11226"
        },
        "borough" : "Brooklyn",
        "name" : "Taste The Tropics Ice Cream",
        "restaurant_id" : "40356731"
}
{
        "address" : {
              "zipcode" : "10460"
        },
        "borough" : "Bronx",
        "name" : "Wild Asia",
        "restaurant_id" : "40357217"
}
{
        "address" : {
              "zipcode" : "11214"
        },
        "borough" : "Brooklyn",
        "name" : "C & C Catering Service",
        "restaurant_id" : "40357437"
}
{
```

"address" : {

     "zipcode" : "11208"

},

"borough" : "Brooklyn",

"name" : "May May Kitchen",

"restaurant_id" : "40358429"

}

{

    "address" : {

     "zipcode" : "10065"

},

"borough" : "Manhattan",

"name" : "1 East 66Th Street Kitchen",

"restaurant_id" : "40359480"

}

{

    "address" : {

     "zipcode" : "11223"

},

"borough" : "Brooklyn",

"name" : "Seuda Foods",

"restaurant_id" : "40360045"

}

{

```
    "address" : {
        "zipcode" : "11218"
    },
    "borough" : "Brooklyn",
    "name" : "Carvel Ice Cream",
    "restaurant_id" : "40360076"
}
{
    "address" : {
        "zipcode" : "11004"
    },
    "borough" : "Queens",
    "name" : "Carvel Ice Cream",
    "restaurant_id" : "40361322"
}
{
    "address" : {
        "zipcode" : "11209"
    },
    "borough" : "Brooklyn",
    "name" : "Nordic Delicacies",
    "restaurant_id" : "40361390"
}
{
```

```
        "address" : {

                "zipcode" : "10021"

        },

        "borough" : "Manhattan",

        "name" : "Glorious Food",

        "restaurant_id" : "40361521"

}
{

        "address" : {

                "zipcode" : "11215"

        },

        "borough" : "Brooklyn",

        "name" : "The Movable Feast",

        "restaurant_id" : "40361606"

}
```

## Question-5:

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

## Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY>
db.addresses.find({"borough":"Bronx"}).limit(5)

{ "_id" : ObjectId("6001961fc0a4a415fcebbd99"), "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("6001961fc0a4a415fcebbda3"), "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("6001961fc0a4a415fcebbdb8"), "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("6001961fc0a4a415fcebbdbc"), "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("6001961fc0a4a415fcebbdce"), "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" }

# Question-6:

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

# Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find({"borough":"Bronx"})

{ "_id" : ObjectId("6001961fc0a4a415fcebbd99"), "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("6001961fc0a4a415fcebbda3"), "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("6001961fc0a4a415fcebbdb8"), "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("6001961fc0a4a415fcebbdbc"), "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("6001961fc0a4a415fcebbdce"), "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("6001961fc0a4a415fcebbdd6"), "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("6001961fc0a4a415fcebbdee"), "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("6001961fc0a4a415fcebbe06"), "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("6001961fc0a4a415fcebbe19"), "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("6001961fc0a4a415fcebbe32"), "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("6001961fc0a4a415fcebbe3d"), "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("6001961fc0a4a415fcebbe3f"), "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("6001961fc0a4a415fcebbe44"), "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("6001961fc0a4a415fcebbe4a"), "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("60019620c0a4a415fcebbe6f"), "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("60019620c0a4a415fcebbe70"), "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("60019620c0a4a415fcebbe71"), "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("60019620c0a4a415fcebbe72"), "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("60019620c0a4a415fcebbe73"), "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("60019620c0a4a415fcebbe74"), "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" }

# Question-7:

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

# Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find({"borough":"Bronx"}).limit(5).skip(5)

{ "_id" : ObjectId("6001961fc0a4a415fcebbdd6"), "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("6001961fc0a4a415fcebbdee"), "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("6001961fc0a4a415fcebbe06"), "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("6001961fc0a4a415fcebbe19"), "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("6001961fc0a4a415fcebbe32"), "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" }

# Question-8:

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

# Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find({"grades.score":{$gt:90}})

{ "_id" : ObjectId("60019620c0a4a415fcebbef7"), "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("60019620c0a4a415fcebbf98"), "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("60019620c0a4a415fcebc0fb"), "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" }

# Question-9:

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

# Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find({"grades.score":{$gt:80, $lt:100}})

{ "_id" : ObjectId("60019620c0a4a415fcebbef7"), "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("60019620c0a4a415fcebbf98"), "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("60019620c0a4a415fcebc0fb"), "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("60019626c0a4a415fcebc967"), "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" }

# Question-10:

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

# Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find({"address.coord":{$lt : -95.754168}})

{ "_id" : ObjectId("60019622c0a4a415fcebc3e1"), "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("60019625c0a4a415fcebc74c"), "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("60019627c0a4a415fcebcbf2"), "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" }

# Question-11:

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

# Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY>
db.addresses.find({$and:[{"cuisine" : {$ne :"American "}},{"grades.score" : {$gt : 70}},{"address.coord" : {$lt : -65.754168}}]}).pretty()

{

    "_id" : ObjectId("60019620c0a4a415fcebbf98"),

    "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("60019620c0a4a415fcebc0fb"),

        "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("60019620c0a4a415fcebc106"),
    "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("60019622c0a4a415fcebc256"),

    "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("60019625c0a4a415fcebc880"),

        "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"

}
```

# Question-12:

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

# Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY>
db.addresses.find({"cuisine" : {$ne : "American "},"grades.score" :{$gt: 70},"address.coord" : {$lt : -65.754168}})

{ "_id" : ObjectId("60019620c0a4a415fcebbf98"), "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("60019620c0a4a415fcebc0fb"), "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("60019620c0a4a415fcebc106"), "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("60019622c0a4a415fcebc256"), "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("60019625c0a4a415fcebc880"), "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" }

# Question-13:

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

# Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find( {"cuisine" : {$ne : "American "},"grades.grade" :"A","borough": {$ne : "Brooklyn"}}).sort({"cuisine":-1})

{ "_id" : ObjectId("60019622c0a4a415fcebc4a5"), "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("60019622c0a4a415fcebc55e"), "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("60019625c0a4a415fcebc947"), "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("60019620c0a4a415fcebc049"), "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("60019622c0a4a415fcebc1fe"), "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("60019622c0a4a415fcebc366"), "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("60019622c0a4a415fcebc406"), "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("60019625c0a4a415fcebc6a7"), "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("60019625c0a4a415fcebc6cd"), "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("60019627c0a4a415fcebcb55"), "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("6001961fc0a4a415fcebbdb5"), "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("60019622c0a4a415fcebc210"), "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("60019622c0a4a415fcebc4a0"), "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("60019622c0a4a415fcebc4a4"), "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("60019625c0a4a415fcebc639"), "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("60019625c0a4a415fcebc749"), "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("60019625c0a4a415fcebc933"), "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("60019626c0a4a415fcebca60"), "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("60019620c0a4a415fcebbf18"), "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("60019620c0a4a415fcebc0e0"), "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" }

# Question-14:

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

# Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY>
db.addresses.find({name: /^Wil/},{"restaurant_id" : 1,"name":1,"borough":1,"cuisine" :1})

{ "_id" : ObjectId("6001961fc0a4a415fcebbda0"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine Food", "restaurant_id" : "40356483" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda3"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant_id" : "40357217" }

{ "_id" : ObjectId("60019627c0a4a415fcebcba8"), "borough" : "Bronx", "cuisine" : "Pizza", "name" : "Wilbel Pizza", "restaurant_id" : "40871979" }

# Question-15:

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

# Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find({name: /ces$/},{"restaurant_id" : 1,"name":1,"borough":1,"cuisine" :1})

{ "_id" : ObjectId("60019622c0a4a415fcebc22c"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Pieces", "restaurant_id" : "40399910" }

{ "_id" : ObjectId("60019622c0a4a415fcebc2eb"), "borough" : "Queens", "cuisine" : "American ", "name" : "S.M.R Restaurant Services", "restaurant_id" : "40403857" }

{ "_id" : ObjectId("60019622c0a4a415fcebc2f1"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Good Shepherd Services", "restaurant_id" : "40403989" }

{ "_id" : ObjectId("60019625c0a4a415fcebc7a4"), "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "The Ice Box-Ralph'S Famous Italian Ices", "restaurant_id" : "40690899" }

{ "_id" : ObjectId("60019626c0a4a415fcebc9a6"), "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Alices", "restaurant_id" : "40782042" }

{ "_id" : ObjectId("60019627c0a4a415fcebcbc2"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Re: Sources", "restaurant_id" : "40876068" }

# Question-16:

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

# Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find({"name": /.*Reg.*/},{"restaurant_id" : 1,"name":1,"borough":1,"cuisine" :1})

{ "_id" : ObjectId("6001961fc0a4a415fcebbda1"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Regina Caterers", "restaurant_id" : "40356649" }

{ "_id" : ObjectId("60019620c0a4a415fcebbe9e"), "borough" : "Manhattan", "cuisine" : "Café/Coffee/Tea", "name" : "Caffe Reggio", "restaurant_id" : "40369418" }

{ "_id" : ObjectId("60019620c0a4a415fcebbfad"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Regency Hotel", "restaurant_id" : "40382679" }

{ "_id" : ObjectId("60019622c0a4a415fcebc2ca"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Regency Whist Club", "restaurant_id" : "40402377" }

{ "_id" : ObjectId("60019622c0a4a415fcebc3ad"), "borough" : "Queens", "cuisine" : "American ", "name" : "Rego Park Cafe", "restaurant_id" : "40523342" }

{ "_id" : ObjectId("60019626c0a4a415fcebca1b"), "borough" : "Queens", "cuisine" : "Pizza", "name" : "Regina Pizza", "restaurant_id" : "40801325" }

{ "_id" : ObjectId("60019627c0a4a415fcebcc32"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Regal Entertainment Group", "restaurant_id" : "40891782" }

# Question-17:

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

# Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find({ "borough": "Bronx" , $or : [{ "cuisine" : "American " },{ "cuisine" : "Chinese" }] } )

{ "_id" : ObjectId("6001961fc0a4a415fcebbda3"), "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("6001961fc0a4a415fcebbdbc"), "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("6001961fc0a4a415fcebbdce"), "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("6001961fc0a4a415fcebbdd6"), "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("6001961fc0a4a415fcebbdee"), "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("6001961fc0a4a415fcebbe06"), "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("6001961fc0a4a415fcebbe32"), "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("6001961fc0a4a415fcebbe3d"), "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("6001961fc0a4a415fcebbe4a"), "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("60019620c0a4a415fcebbe72"), "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("60019620c0a4a415fcebbe73"), "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("60019620c0a4a415fcebbe74"), "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("60019620c0a4a415fcebbe94"), "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("60019620c0a4a415fcebbea6"), "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("60019620c0a4a415fcebbeb8"), "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("60019620c0a4a415fcebbec2"), "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("60019620c0a4a415fcebbf1c"), "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("60019620c0a4a415fcebbf86"), "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("60019620c0a4a415fcebbfab"), "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("60019620c0a4a415fcebbfc7"), "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" }

## Question-18:

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

## Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find({"borough" :{$in :["Staten Island","Queens","Bronx","Brooklyn"]}},{"restaurant_id" : 1,"name":1,"borough":1,"cuisine" :1})

{ "_id" : ObjectId("6001961fc0a4a415fcebbd99"), "borough" : "Bronx", "cuisine" : "Bakery", "name" : "Morris Park Bake Shop", "restaurant_id" : "30075445" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbd9a"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "Wendy'S", "restaurant_id" : "30112340" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbd9c"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Riviera Caterer", "restaurant_id" : "40356018" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbd9d"), "borough" : "Queens", "cuisine" : "Jewish/Kosher", "name" : "Tov Kosher Kitchen", "restaurant_id" : "40356068" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbd9e"), "borough" : "Queens", "cuisine" : "American ", "name" : "Brunos On The Boulevard", "restaurant_id" : "40356151" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbd9f"), "borough" : "Staten Island", "cuisine" : "Jewish/Kosher", "name" : "Kosher Island", "restaurant_id" : "40356442" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda0"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine Food", "restaurant_id" : "40356483" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda1"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Regina Caterers", "restaurant_id" : "40356649" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda2"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Taste The Tropics Ice Cream", "restaurant_id" : "40356731" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda3"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant_id" : "40357217" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda4"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "C & C Catering Service", "restaurant_id" : "40357437" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda5"), "borough" : "Brooklyn", "cuisine" : "Chinese", "name" : "May May Kitchen", "restaurant_id" : "40358429" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda7"), "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Seuda Foods", "restaurant_id" : "40360045" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda8"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant_id" : "40360076" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda9"), "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant_id" : "40361322" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdaa"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant_id" : "40361390" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdac"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "The Movable Feast", "restaurant_id" : "40361606" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdad"), "borough" : "Queens", "cuisine" : "Delicatessen", "name" : "Sal'S Deli", "restaurant_id" : "40361618" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdaf"), "borough" : "Queens", "cuisine" : "Delicatessen", "name" : "Steve Chu'S Deli & Grocery", "restaurant_id" : "40361998" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdb3"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "White Castle", "restaurant_id" : "40362344" }

# Question-19:

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

**Solution:**

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find({"borough" :{$nin :["Staten Island","Queens","Bronx","Brooklyn"]}},{"restaurant_id" : 1,"name":1,"borough":1,"cuisine" :1})

{ "_id" : ObjectId("6001961fc0a4a415fcebbd9b"), "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dj Reynolds Pub And Restaurant", "restaurant_id" : "30191841" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda6"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "1 East 66Th Street Kitchen", "restaurant_id" : "40359480" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdab"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Glorious Food", "restaurant_id" : "40361521" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdae"), "borough" : "Manhattan", "cuisine" : "Delicatessen", "name" : "Bully'S Deli", "restaurant_id" : "40361708" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdb0"), "borough" : "Manhattan", "cuisine" : "Chicken", "name" : "Harriet'S Kitchen", "restaurant_id" : "40362098" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdb1"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "P & S Deli Grocery", "restaurant_id" : "40362264" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdb2"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Angelika Film Center", "restaurant_id" : "40362274" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdb5"), "borough" : "Manhattan", "cuisine" : "Turkish", "name" : "The Country Cafe", "restaurant_id" : "40362715" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdb7"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Downtown Deli", "restaurant_id" : "40363021" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdbb"), "borough" : "Manhattan", "cuisine" : "Bakery", "name" : "Olive'S", "restaurant_id" : "40363151" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdbd"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Cafe Metro", "restaurant_id" : "40363298" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdbf"), "borough" : "Manhattan", "cuisine" : "Sandwiches/Salads/Mixed Buffet", "name" : "Lexler Deli", "restaurant_id" : "40363426" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdc3"), "borough" : "Manhattan", "cuisine" : "Continental", "name" : "Lorenzo & Maria'S", "restaurant_id" : "40363630" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdc4"), "borough" : "Manhattan", "cuisine" : "Pizza", "name" : "Domino'S Pizza", "restaurant_id" : "40363644" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdc5"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Berkely", "restaurant_id" : "40363685" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdc9"), "borough" : "Manhattan", "cuisine" : "Pizza", "name" : "Domino'S Pizza", "restaurant_id" : "40363945" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdca"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Spoon Bread Catering", "restaurant_id" : "40364179" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdd0"), "borough" : "Manhattan", "cuisine" : "Chicken", "name" : "Texas Rotisserie", "restaurant_id" : "40364304" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdd3"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Metropolitan Club", "restaurant_id" : "40364347" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdd4"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Palm Restaurant", "restaurant_id" : "40364355" }

# Question-20:

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

**Solution:**

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY>
db.addresses.find({"grades.score" : { $not: {$gt : 10}}},{"restaurant_id" :
1,"name":1,"borough":1,"cuisine" :1})

{ "_id" : ObjectId("6001961fc0a4a415fcebbda4"), "borough" : "Brooklyn",
"cuisine" : "American ", "name" : "C & C Catering Service", "restaurant_id" :
"40357437" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda6"), "borough" : "Manhattan",
"cuisine" : "American ", "name" : "1 East 66Th Street Kitchen",
"restaurant_id" : "40359480" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdaa"), "borough" : "Brooklyn",
"cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant_id" :
"40361390" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdb3"), "borough" : "Brooklyn",
"cuisine" : "Hamburgers", "name" : "White Castle", "restaurant_id" :
"40362344" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdc6"), "borough" : "Brooklyn",
"cuisine" : "American ", "name" : "Sonny'S Heros", "restaurant_id" :
"40363744" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdd6"), "borough" : "Bronx",
"cuisine" : "American ", "name" : "Manhem Club", "restaurant_id" :
"40364363" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbde4"), "borough" : "Staten
Island", "cuisine" : "American ", "name" : "Great Kills Yacht Club",
"restaurant_id" : "40364610" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdeb"), "borough" : "Manhattan",
"cuisine" : "American ", "name" : "Serendipity 3", "restaurant_id" :
"40364863" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdef"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "White Horse Tavern", "restaurant_id" : "40364958" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdf8"), "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dorrian'S Red Hand Restaurant", "restaurant_id" : "40365239" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbe49"), "borough" : "Manhattan", "cuisine" : "Mexican", "name" : "Mexico Lindo Restaurant", "restaurant_id" : "40367038" }

{ "_id" : ObjectId("60019620c0a4a415fcebbe69"), "borough" : "Brooklyn", "cuisine" : "Greek", "name" : "El Greco Diner", "restaurant_id" : "40367795" }

{ "_id" : ObjectId("60019620c0a4a415fcebbe6f"), "borough" : "Bronx", "cuisine" : "Not Listed/Not Applicable", "name" : "The Lark'S Nest", "restaurant_id" : "40367946" }

{ "_id" : ObjectId("60019620c0a4a415fcebbe70"), "borough" : "Bronx", "cuisine" : "Café/Coffee/Tea", "name" : "Terrace Cafe", "restaurant_id" : "40368018" }

{ "_id" : ObjectId("60019620c0a4a415fcebbe71"), "borough" : "Bronx", "cuisine" : "African", "name" : "African Terrace", "restaurant_id" : "40368021" }

{ "_id" : ObjectId("60019620c0a4a415fcebbe74"), "borough" : "Bronx", "cuisine" : "American ", "name" : "African Market (Baboon Cafe)", "restaurant_id" : "40368026" }

{ "_id" : ObjectId("60019620c0a4a415fcebbe75"), "borough" : "Staten Island", "cuisine" : "Italian", "name" : "Roadhouse Restaurant", "restaurant_id" : "40368034" }

{ "_id" : ObjectId("60019620c0a4a415fcebbe97"), "borough" : "Manhattan", "cuisine" : "French", "name" : "Pergola Des Artistes", "restaurant_id" : "40369139" }

{ "_id" : ObjectId("60019620c0a4a415fcebbea3"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "Mcdonald'S", "restaurant_id" : "40369535" }

{ "_id" : ObjectId("60019620c0a4a415fcebbea7"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "The River Cafe", "restaurant_id" : "40369608" }

# Question-21:

**21. Write a MongoDB query to find the restaurant Id, name, borough and cuisine for those restaurants which prepared dish except 'American' and 'Chinees' or restaurant's name begins with letter 'Wil'.**

**Solution:**

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find( {$or: [ {name: /^Wil/}, {"$and": [ {"cuisine" : {$ne :"American "}}, {"cuisine" : {$ne :"Chinees"}} ]} ]} ,{"restaurant_id" : 1,"name":1,"borough":1,"cuisine" :1} )

{ "_id" : ObjectId("6001961fc0a4a415fcebbd99"), "borough" : "Bronx", "cuisine" : "Bakery", "name" : "Morris Park Bake Shop", "restaurant_id" : "30075445" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbd9a"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "Wendy'S", "restaurant_id" : "30112340" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbd9b"), "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dj Reynolds Pub And Restaurant", "restaurant_id" : "30191841" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbd9d"), "borough" : "Queens", "cuisine" : "Jewish/Kosher", "name" : "Tov Kosher Kitchen", "restaurant_id" : "40356068" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbd9f"), "borough" : "Staten Island", "cuisine" : "Jewish/Kosher", "name" : "Kosher Island", "restaurant_id" : "40356442" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda0"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine Food", "restaurant_id" : "40356483" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda2"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Taste The Tropics Ice Cream", "restaurant_id" : "40356731" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda3"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant_id" : "40357217" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda5"), "borough" : "Brooklyn", "cuisine" : "Chinese", "name" : "May May Kitchen", "restaurant_id" : "40358429" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda7"), "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Seuda Foods", "restaurant_id" : "40360045" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda8"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant_id" : "40360076" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda9"), "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant_id" : "40361322" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdaa"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant_id" : "40361390" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdad"), "borough" : "Queens", "cuisine" : "Delicatessen", "name" : "Sal'S Deli", "restaurant_id" : "40361618" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdae"), "borough" : "Manhattan", "cuisine" : "Delicatessen", "name" : "Bully'S Deli", "restaurant_id" : "40361708" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdaf"), "borough" : "Queens", "cuisine" : "Delicatessen", "name" : "Steve Chu'S Deli & Grocery", "restaurant_id" : "40361998" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdb0"), "borough" : "Manhattan", "cuisine" : "Chicken", "name" : "Harriet'S Kitchen", "restaurant_id" : "40362098" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdb3"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "White Castle", "restaurant_id" : "40362344" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdb4"), "borough" : "Queens", "cuisine" : "Chinese", "name" : "Ho Mei Restaurant", "restaurant_id" : "40362432" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdb5"), "borough" : "Manhattan", "cuisine" : "Turkish", "name" : "The Country Cafe", "restaurant_id" : "40362715" }

# Question-22:

22. **Write a MongoDB query to find the restaurant Id, name, and grades for those restaurants which achieved a grade of "A" and scored 11 on an ISODate "2014-08-11T00:00:00Z" among many of survey dates.**

**Solution:**

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find( {"grades.date": ISODate("2014-08-11T00:00:00Z"),"grades.grade":"A" ,"grades.score" : 11},{"restaurant_id" : 1,"name":1,"grades":1})

{ "_id" : ObjectId("6001961fc0a4a415fcebbe17"), "grades" : [ { "date" : ISODate("2014-08-11T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-07-22T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-03-14T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-07-02T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-02-02T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-08-24T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Neary'S Pub", "restaurant_id" : "40365871" }

{ "_id" : ObjectId("60019620c0a4a415fcebbef2"), "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" }

{ "_id" : ObjectId("60019621c0a4a415fcebc1b8"), "grades" : [ { "date" : ISODate("2014-08-11T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2013-08-29T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-25T00:00:00Z"), "grade" : "C", "score" : 2 }, { "date" : ISODate("2012-10-23T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-04-16T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-11-15T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Mustang Sally'S Restaurant", "restaurant_id" : "40397374" }

{ "_id" : ObjectId("60019622c0a4a415fcebc3c4"), "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" }

{ "_id" : ObjectId("60019622c0a4a415fcebc4b9"), "grades" : [ { "date" : ISODate("2014-08-11T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2014-01-09T00:00:00Z"), "grade" : "B", "score" : 27 }, { "date" : ISODate("2013-06-11T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-10-09T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2012-05-10T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-11-23T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Marino'S Pizza & Restaurant", "restaurant_id" : "40560917" }

{ "_id" : ObjectId("60019625c0a4a415fcebc661"), "grades" : [ { "date" : ISODate("2015-01-05T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" :

ISODate("2014-08-11T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-03-04T00:00:00Z"), "grade" : "B", "score" : 22 }, { "date" : ISODate("2013-09-13T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-01-16T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Gene'S Coffee Shop", "restaurant_id" : "40614916" }

{ "_id" : ObjectId("60019625c0a4a415fcebc7cf"), "grades" : [ { "date" : ISODate("2014-08-11T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-02-20T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-08-29T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-03-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-03-07T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-11-18T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-10-12T00:00:00Z"), "grade" : "P", "score" : 4 } ], "name" : "Union Cafe Restaurant", "restaurant_id" : "40698823" }

{ "_id" : ObjectId("60019627c0a4a415fcebcc3c"), "grades" : [ { "date" : ISODate("2014-08-11T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-08-28T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-09-05T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-08-25T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Jojo'S Pizza", "restaurant_id" : "40892913" }

# Question-23:

**23. Write a MongoDB query to find the restaurant Id, name and grades for those restaurants where the 2nd element of grades array contains a grade of "A" and score 9 on an ISODate "2014-08-11T00:00:00Z"**

**Solution:**

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find(

...                 { "grades.1.date": ISODate("2014-08-11T00:00:00Z"),

...                  "grades.1.grade":"A" ,

...                  "grades.1.score" : 9

...                 },

```
...                    {"restaurant_id" : 1,"name":1,"grades":1}

...                  )

{ "_id" : ObjectId("60019622c0a4a415fcebc3c4"), "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" }
```

# Question-24:

**24. Write a MongoDB query to find the restaurant Id, name, address and geographical location for those restaurants where 2nd element of coord array contains a value which is more than 42 and upto 52..**

**Solutions:**

```
MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find(

...                    {

...                     "address.coord.1": {$gt : 42, $lte : 52}

...                    },

...                     {"restaurant_id" : 1,"name":1,"address":1,"coord":1}

...                  )

{ "_id" : ObjectId("60019620c0a4a415fcebc03b"), "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("60019620c0a4a415fcebc067"), "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("60019622c0a4a415fcebc2c0"), "address" : { "building" : "3000", "coord" : [ -87.86567699999999, 42.61150920000001 ], "street" : "47 Avenue", "zipcode" : "11101" }, "name" : "Di Luvio'S Deli", "restaurant_id" : "40402284" }

{ "_id" : ObjectId("60019622c0a4a415fcebc4f5"), "address" : { "building" : "21972199", "coord" : [ -78.589606, 42.8912372 ], "street" : "Broadway", "zipcode" : "10024" }, "name" : "La Caridad 78", "restaurant_id" : "40568285" }

{ "_id" : ObjectId("60019627c0a4a415fcebcbc7"), "address" : { "building" : "7981", "coord" : [ -84.9751215, 45.4713351 ], "street" : "Hoyt Street", "zipcode" : "11201" }, "name" : "Bijan'S", "restaurant_id" : "40876618" }

{ "_id" : ObjectId("60019627c0a4a415fcebcbdc"), "address" : { "building" : "0", "coord" : [ -88.0778799, 42.4154769 ], "street" : "& Grand Central", "zipcode" : "10017" }, "name" : "Hyatt, Ny Central/Room Service", "restaurant_id" : "40879243" }

{ "_id" : ObjectId("60019627c0a4a415fcebcbf2"), "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" }

# Question-25:

**25. Write a MongoDB query to arrange the name of the restaurants in ascending order along with all the columns**.

# Solutions:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find().sort({"name":1})

{ "_id" : ObjectId("60019626c0a4a415fcebca29"), "address" : { "building" : "129", "coord" : [ -73.962943, 40.685007 ], "street" : "Gates Avenue", "zipcode" : "11238" }, "borough" : "Brooklyn", "cuisine" : "Italian", "grades" : [ { "date" : ISODate("2014-03-06T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-08-29T00:00:00Z"), "grade" : "A", "score" : 2 }, {

"date" : ISODate("2013-03-08T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-06-27T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-11-17T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "(Lewis Drug Store) Locanda Vini E Olii", "restaurant_id" : "40804423" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda6"), "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("60019625c0a4a415fcebc5b8"), "address" : { "building" : "10016", "coord" : [ -73.8216636, 40.5838155 ], "street" : "Rockaway Beach Boulevard", "zipcode" : "11694" }, "borough" : "Queens", "cuisine" : "Delicatessen", "grades" : [ { "date" : ISODate("2014-01-28T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-08-20T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-03-19T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-03-06T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-03-01T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "101 Deli", "restaurant_id" : "40591271" }

{ "_id" : ObjectId("60019622c0a4a415fcebc4ac"), "address" : { "building" : "10018", "coord" : [ -74.0343092, 40.6125569 ], "street" : "4 Avenue", "zipcode" : "11209" }, "borough" : "Brooklyn", "cuisine" : "Italian", "grades" : [ { "date" : ISODate("2014-12-01T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-11-29T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-06-03T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-06-05T00:00:00Z"), "grade" : "B", "score" : 15 }, { "date" : ISODate("2012-01-10T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "101 Restaurant And Bar", "restaurant_id" : "40560108" }

{ "_id" : ObjectId("60019622c0a4a415fcebc279"), "address" : { "building" : "1020", "coord" : [ -73.96396419999999, 40.8032642 ], "street" : "Amsterdam Avenue", "zipcode" : "10025" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-06-19T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-12-27T00:00:00Z"), "grade" : "C", "score" : 38 } ], "name" : "1020 Bar", "restaurant_id" : "40401104" }

{ "_id" : ObjectId("60019625c0a4a415fcebc6b3"), "address" : { "building" : "10401", "coord" : [ -73.9004264, 40.6520939 ], "street" : "Foster Avenue", "zipcode" : "11236" }, "borough" : "Brooklyn", "cuisine" : "Café/Coffee/Tea", "grades" : [ { "date" : ISODate("2014-12-08T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-04-08T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2013-03-07T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-10-04T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "104-01 Foster Avenue Coffee Shop(Ups)", "restaurant_id" : "40639261" }

{ "_id" : ObjectId("60019625c0a4a415fcebc75f"), "address" : { "building" : "256", "coord" : [ -73.998993, 40.74718060000001 ], "street" : "10Th Ave Bet 24 & 25 St )", "zipcode" : "10001" }, "borough" : "Manhattan", "cuisine" : "Pizza", "grades" : [ { "date" : ISODate("2014-11-10T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-10-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-05-31T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-12-14T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-07-09T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-02-03T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "10Th Avenue Pizza & Cafe", "restaurant_id" : "40673117" }

{ "_id" : ObjectId("60019627c0a4a415fcebcc01"), "address" : { "building" : "0", "coord" : [ -73.7889689, 40.6433507 ], "street" : "Central Taxi Hold", "zipcode" : "11430" }, "borough" : "Queens", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-03-06T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-09-18T00:00:00Z"), "grade" : "A",

"score" : 12 }, { "date" : ISODate("2012-08-21T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2012-02-06T00:00:00Z"), "grade" : "B", "score" : 15 } ], "name" : "111 Restaurant", "restaurant_id" : "40884354" }

{ "_id" : ObjectId("60019625c0a4a415fcebc7d1"), "address" : { "building" : "15", "coord" : [ -73.9921155, 40.7364657 ], "street" : "East  15 Street", "zipcode" : "10003" }, "borough" : "Manhattan", "cuisine" : "Japanese", "grades" : [ { "date" : ISODate("2014-06-28T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-10-22T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-03-22T00:00:00Z"), "grade" : "C", "score" : 64 }, { "date" : ISODate("2012-07-05T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-02-03T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-06-30T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "15 East Restaurant", "restaurant_id" : "40698892" }

{ "_id" : ObjectId("60019620c0a4a415fcebbfec"), "address" : { "building" : "200", "coord" : [ -73.9804898, 40.6768216 ], "street" : "5 Avenue", "zipcode" : "11217" }, "borough" : "Brooklyn", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-07-03T00:00:00Z"), "grade" : "B", "score" : 26 }, { "date" : ISODate("2013-10-30T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-03-21T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-08-07T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-03-09T00:00:00Z"), "grade" : "C", "score" : 42 }, { "date" : ISODate("2011-10-13T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "200 Fifth Avenue Restaurant & Sports Bar", "restaurant_id" : "40385555" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdd5"), "address" : { "building" : "21", "coord" : [ -73.9774394, 40.7604522 ], "street" : "West  52 Street", "zipcode" : "10019" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-05-14T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-08-13T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-04-04T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "21 Club", "restaurant_id" : "40364362" }

{ "_id" : ObjectId("60019620c0a4a415fcebc05d"), "address" : { "building" : "25", "coord" : [ -73.9860427, 40.7229989 ], "street" : "Avenue A", "zipcode" : "10009" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2013-10-29T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-10-27T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2011-10-18T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-06-23T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "2A", "restaurant_id" : "40388784" }

{ "_id" : ObjectId("60019625c0a4a415fcebc5c5"), "address" : { "building" : "133", "coord" : [ -73.9702969, 40.75983919999999 ], "street" : "East 55 Street", "zipcode" : "10022" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-04-03T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-03-27T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-10-17T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-04-27T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-12-06T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-07-18T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "3 Deli & Grill", "restaurant_id" : "40592296" }

{ "_id" : ObjectId("60019620c0a4a415fcebc0b2"), "address" : { "building" : "1381", "coord" : [ -73.9538783, 40.787312 ], "street" : "Madison Avenue", "zipcode" : "10029" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-08-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-04-18T00:00:00Z"), "grade" : "B", "score" : 26 }, { "date" : ISODate("2013-03-12T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-10-11T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-05-10T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-12-15T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "3 Guys", "restaurant_id" : "40391339" }

{ "_id" : ObjectId("60019625c0a4a415fcebc6b8"), "address" : { "building" : "1232", "coord" : [ -73.957787, 40.782685 ], "street" : "Madison Avenue", "zipcode" : "10128" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-11-18T00:00:00Z"), "grade" : "A",

"score" : 12 }, { "date" : ISODate("2013-11-07T00:00:00Z"), "grade" : "A",
"score" : 11 }, { "date" : ISODate("2013-05-29T00:00:00Z"), "grade" : "A",
"score" : 12 }, { "date" : ISODate("2012-12-17T00:00:00Z"), "grade" : "A",
"score" : 10 }, { "date" : ISODate("2012-06-21T00:00:00Z"), "grade" : "A",
"score" : 9 }, { "date" : ISODate("2012-02-01T00:00:00Z"), "grade" : "A",
"score" : 9 } ], "name" : "3 Guys Resturant", "restaurant_id" : "40640495" }

{ "_id" : ObjectId("60019625c0a4a415fcebc62a"), "address" : { "building" :
"647", "coord" : [ -74.0001028, 40.7619413 ], "street" : "West  42 Street",
"zipcode" : "10036" }, "borough" : "Manhattan", "cuisine" : "American ",
"grades" : [ { "date" : ISODate("2014-11-24T00:00:00Z"), "grade" : "A",
"score" : 5 }, { "date" : ISODate("2014-06-04T00:00:00Z"), "grade" : "A",
"score" : 8 }, { "date" : ISODate("2013-11-20T00:00:00Z"), "grade" : "A",
"score" : 7 }, { "date" : ISODate("2013-03-20T00:00:00Z"), "grade" : "A",
"score" : 10 }, { "date" : ISODate("2011-12-22T00:00:00Z"), "grade" : "A",
"score" : 10 } ], "name" : "42Nd Street Pizza Diner", "restaurant_id" :
"40605319" }

{ "_id" : ObjectId("60019626c0a4a415fcebca42"), "address" : { "building" :
"622", "coord" : [ -73.9942049, 40.7610193 ], "street" : "10 Avenue",
"zipcode" : "10036" }, "borough" : "Manhattan", "cuisine" : "American ",
"grades" : [ { "date" : ISODate("2014-12-22T00:00:00Z"), "grade" : "A",
"score" : 13 }, { "date" : ISODate("2014-06-19T00:00:00Z"), "grade" : "A",
"score" : 9 }, { "date" : ISODate("2013-11-26T00:00:00Z"), "grade" : "A",
"score" : 7 }, { "date" : ISODate("2013-06-08T00:00:00Z"), "grade" : "A",
"score" : 3 }, { "date" : ISODate("2012-10-24T00:00:00Z"), "grade" : "A",
"score" : 12 }, { "date" : ISODate("2012-04-18T00:00:00Z"), "grade" : "A",
"score" : 13 } ], "name" : "44 & X Hell'S Kitchen", "restaurant_id" :
"40809948" }

{ "_id" : ObjectId("60019625c0a4a415fcebc7ce"), "address" : { "building" :
"621", "coord" : [ -73.992069, 40.759761 ], "street" : "9 Avenue", "zipcode" :
"10036" }, "borough" : "Manhattan", "cuisine" : "Italian", "grades" : [ {
"date" : ISODate("2014-04-30T00:00:00Z"), "grade" : "A", "score" : 9 }, {
"date" : ISODate("2013-11-19T00:00:00Z"), "grade" : "A", "score" : 11 }, {
"date" : ISODate("2013-03-04T00:00:00Z"), "grade" : "B", "score" : 19 }, {

"date" : ISODate("2012-07-21T00:00:00Z"), "grade" : "A", "score" : 10 }, {
"date" : ISODate("2011-11-14T00:00:00Z"), "grade" : "B", "score" : 16 } ],
"name" : "44 Sw Ristorante & Bar", "restaurant_id" : "40698807" }

{ "_id" : ObjectId("60019620c0a4a415fcebc086"), "address" : { "building" :
"7205", "coord" : [ -73.8424017, 40.7194513 ], "street" : "Austin Street",
"zipcode" : "11375" }, "borough" : "Queens", "cuisine" : "Mexican", "grades"
: [ { "date" : ISODate("2014-03-04T00:00:00Z"), "grade" : "A", "score" : 12
}, { "date" : ISODate("2013-02-25T00:00:00Z"), "grade" : "A", "score" : 7 },
{ "date" : ISODate("2011-12-08T00:00:00Z"), "grade" : "A", "score" : 7 }, {
"date" : ISODate("2011-05-23T00:00:00Z"), "grade" : "B", "score" : 18 } ],
"name" : "5 Burro Cafe", "restaurant_id" : "40390163" }

{ "_id" : ObjectId("60019626c0a4a415fcebca2f"), "address" : { "building" :
"525", "coord" : [ -73.9728136, 40.75546629999999 ], "street" : "Lexington
Ave", "zipcode" : "10017" }, "borough" : "Manhattan", "cuisine" : "American
", "grades" : [ { "date" : ISODate("2014-07-22T00:00:00Z"), "grade" : "C",
"score" : 41 }, { "date" : ISODate("2014-01-24T00:00:00Z"), "grade" : "A",
"score" : 9 }, { "date" : ISODate("2013-05-15T00:00:00Z"), "grade" : "B",
"score" : 24 }, { "date" : ISODate("2012-09-12T00:00:00Z"), "grade" : "A",
"score" : 7 }, { "date" : ISODate("2012-04-12T00:00:00Z"), "grade" : "A",
"score" : 11 }, { "date" : ISODate("2011-10-24T00:00:00Z"), "grade" : "C",
"score" : 33 } ], "name" : "525 Lex Restaurant & Bar", "restaurant_id" :
"40806489" }

# Question-26:

**26. Write a MongoDB query to arrange the name of the restaurants in
descending along with all the columns**

**Solution:**

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY>

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY>
db.addresses.find().sort(

...                    {"name":-1}

...                    )

{ "_id" : ObjectId("60019620c0a4a415fcebbe58"), "address" : { "building" : "6946", "coord" : [ -73.8811834, 40.7017759 ], "street" : "Myrtle Avenue", "zipcode" : "11385" }, "borough" : "Queens", "cuisine" : "German", "grades" : [ { "date" : ISODate("2014-09-24T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2014-04-17T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-03-12T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-10-02T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-05-09T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-12-28T00:00:00Z"), "grade" : "B", "score" : 24 } ], "name" : "Zum Stammtisch", "restaurant_id" : "40367377" }

{ "_id" : ObjectId("60019626c0a4a415fcebc992"), "address" : { "building" : "107109", "coord" : [ -73.9744668, 40.731155 ], "street" : "Avenue C", "zipcode" : "10009" }, "borough" : "Manhattan", "cuisine" : "German", "grades" : [ { "date" : ISODate("2014-03-04T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-08-21T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-02-27T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-06-05T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-12-20T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-07-15T00:00:00Z"), "grade" : "A", "score" : 6 } ], "name" : "Zum Schneider", "restaurant_id" : "40763382" }

{ "_id" : ObjectId("60019627c0a4a415fcebcbcc"), "address" : { "building" : "2905", "coord" : [ -73.91337299999999, 40.775064 ], "street" : "23 Avenue", "zipcode" : "11105" }, "borough" : "Queens", "cuisine" : "Greek", "grades" : [ { "date" : ISODate("2014-09-29T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-04-18T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-03-19T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-10-03T00:00:00Z"), "grade" : "B", "score" : 20 }, { "date" : ISODate("2012-05-07T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Zorba'S", "restaurant_id" : "40877247" }

{ "_id" : ObjectId("60019626c0a4a415fcebca14"), "address" : { "building" : "305", "coord" : [ -73.94830499999999, 40.781662 ], "street" : "East 92 Street", "zipcode" : "10128" }, "borough" : "Manhattan", "cuisine" : "Brazilian", "grades" : [ { "date" : ISODate("2015-01-09T00:00:00Z"),

"grade" : "A", "score" : 10 }, { "date" : ISODate("2014-07-16T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-04-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-04-21T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Zebu Grill", "restaurant_id" : "40800325" }

{ "_id" : ObjectId("60019622c0a4a415fcebc1cf"), "address" : { "building" : "29", "coord" : [ -73.86119219999999, 40.8338023 ], "street" : "Hugh Grant Circle", "zipcode" : "10462" }, "borough" : "Bronx", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-08-27T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-09-10T00:00:00Z"), "grade" : "A", "score" : 0 }, { "date" : ISODate("2013-05-07T00:00:00Z"), "grade" : "C", "score" : 2 }, { "date" : ISODate("2013-03-23T00:00:00Z"), "grade" : "P", "score" : 13 }, { "date" : ISODate("2012-10-24T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-11-01T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Zaro'S Bread Basket", "restaurant_id" : "40397863" }

{ "_id" : ObjectId("60019622c0a4a415fcebc34a"), "address" : { "building" : "1", "coord" : [ -76.878256, 40.26205 ], "street" : "Pennsylvania Station (Amtrack)", "zipcode" : "10001" }, "borough" : "Manhattan", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-02-07T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-02-11T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2012-09-18T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-04-05T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2011-11-17T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2011-07-05T00:00:00Z"), "grade" : "A", "score" : 4 } ], "name" : "Zaro'S Bread Basket", "restaurant_id" : "40510389" }

{ "_id" : ObjectId("60019622c0a4a415fcebc374"), "address" : { "building" : "89", "coord" : [ -73.97729919999999, 40.7524958 ], "street" : "East 42 Street", "zipcode" : "10017" }, "borough" : "Manhattan", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-12-23T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-01-13T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2013-01-23T00:00:00Z"), "grade" :

"A", "score" : 2 }, { "date" : ISODate("2012-08-20T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-03-30T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Zaro'S Bread Basket", "restaurant_id" : "40512617" }

{ "_id" : ObjectId("60019625c0a4a415fcebc594"), "address" : { "building" : "89", "coord" : [ -73.97729919999999, 40.7524958 ], "street" : "East   42 Street", "zipcode" : "10017" }, "borough" : "Manhattan", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-12-11T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2014-07-17T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-06-26T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-01-29T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2012-07-16T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Zaro'S Bread Basket", "restaurant_id" : "40586000" }

{ "_id" : ObjectId("60019625c0a4a415fcebc945"), "address" : { "building" : "2", "coord" : [ -73.992255, 40.749712 ], "street" : "Penn Plaza", "zipcode" : "10121" }, "borough" : "Manhattan", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-02-18T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2013-01-22T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2012-03-21T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-11-09T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-07-25T00:00:00Z"), "grade" : "B", "score" : 18 } ], "name" : "Zaro'S Bread Basket", "restaurant_id" : "40750766" }

{ "_id" : ObjectId("60019622c0a4a415fcebc30b"), "address" : { "building" : "89", "coord" : [ -73.97729919999999, 40.7524958 ], "street" : "East   42 Street", "zipcode" : "10017" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-09-29T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-09-11T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-09-14T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Zaro'S Bakery", "restaurant_id" : "40423705" }

{ "_id" : ObjectId("60019625c0a4a415fcebc795"), "address" : { "building" : "370", "coord" : [ -73.9768121, 40.7507385 ], "street" : "Lexington Avenue",

"zipcode" : "10017" }, "borough" : "Manhattan", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-09-18T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-09-09T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-08T00:00:00Z"), "grade" : "B", "score" : 14 }, { "date" : ISODate("2012-10-15T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-05-24T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2011-10-31T00:00:00Z"), "grade" : "B", "score" : 25 } ], "name" : "Zaro'S Bakery", "restaurant_id" : "40686674" }

{ "_id" : ObjectId("60019620c0a4a415fcebbee5"), "address" : { "building" : "500", "coord" : [ -73.9828058, 40.7150766 ], "street" : "Grand Street", "zipcode" : "10002" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-03-20T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-03-13T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-10-19T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-05-25T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-06-08T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "Zafi'S Luncheonette", "restaurant_id" : "40371718" }

{ "_id" : ObjectId("60019627c0a4a415fcebcbbf"), "address" : { "building" : "301", "coord" : [ -73.9465592, 40.8165415 ], "street" : "West  135 Street", "zipcode" : "10030" }, "borough" : "Manhattan", "cuisine" : "Caribbean", "grades" : [ { "date" : ISODate("2014-01-08T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-07-12T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-01-30T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-12-06T00:00:00Z"), "grade" : "C", "score" : 11 }, { "date" : ISODate("2012-02-28T00:00:00Z"), "grade" : "B", "score" : 16 } ], "name" : "Yvonne Yvonne Restaurant", "restaurant_id" : "40875849" }

{ "_id" : ObjectId("60019625c0a4a415fcebc6db"), "address" : { "building" : "1292", "coord" : [ -73.9563202, 40.7846507 ], "street" : "Madison Avenue", "zipcode" : "10128" }, "borough" : "Manhattan", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2015-01-05T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-08-08T00:00:00Z"), "grade" : "A",

"score" : 7 }, { "date" : ISODate("2013-12-17T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-07-10T00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2013-01-08T00:00:00Z"), "grade" : "C", "score" : 41 } ], "name" : "Yura & Company On Madison", "restaurant_id" : "40646987" }

{ "_id" : ObjectId("60019626c0a4a415fcebc990"), "address" : { "building" : "9021", "coord" : [ -73.87785749999999, 40.760312 ], "street" : "31 Avenue", "zipcode" : "11369" }, "borough" : "Queens", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-12-10T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-06-12T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-11-12T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-04-10T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2012-10-17T00:00:00Z"), "grade" : "B", "score" : 22 }, { "date" : ISODate("2012-05-23T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2011-12-22T00:00:00Z"), "grade" : "P", "score" : 6 } ], "name" : "Yummy Kitchen", "restaurant_id" : "40763160" }

{ "_id" : ObjectId("60019622c0a4a415fcebc3d2"), "address" : { "building" : "518", "coord" : [ -74.02590599999999, 40.6209702 ], "street" : "86 Street", "zipcode" : "11209" }, "borough" : "Brooklyn", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-05-01T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-04-25T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-11-19T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2011-11-04T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Your Bakery", "restaurant_id" : "40529415" }

{ "_id" : ObjectId("60019622c0a4a415fcebc434"), "address" : { "building" : "137", "coord" : [ -73.9901259, 40.7231435 ], "street" : "East Houston Street", "zipcode" : "10002" }, "borough" : "Manhattan", "cuisine" : "Eastern European", "grades" : [ { "date" : ISODate("2014-06-23T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-06-03T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-06-25T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-01-31T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-08-30T00:00:00Z"),

"grade" : "A", "score" : 10 } ], "name" : "Yonah Shimmels Knishes", "restaurant_id" : "40544576" }

{ "_id" : ObjectId("60019625c0a4a415fcebc5dd"), "address" : { "building" : "292", "coord" : [ -73.9218923, 40.8169858 ], "street" : "East 149 Street", "zipcode" : "10451" }, "borough" : "Bronx", "cuisine" : "Pizza/Italian", "grades" : [ { "date" : ISODate("2014-10-06T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-05-20T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-03-25T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-09-20T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Yolanda Pizzeria Restaurant", "restaurant_id" : "40594879" }

{ "_id" : ObjectId("60019620c0a4a415fcebc040"), "address" : { "building" : "1290", "coord" : [ -73.9788903, 40.7605367 ], "street" : "Avenue Of Americas", "zipcode" : "10119" }, "borough" : "Manhattan", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-09-23T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-12-11T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-09T00:00:00Z"), "grade" : "B", "score" : 26 }, { "date" : ISODate("2012-10-04T00:00:00Z"), "grade" : "B", "score" : 23 }, { "date" : ISODate("2012-05-07T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-12-20T00:00:00Z"), "grade" : "B", "score" : 22 } ], "name" : "Yip'S", "restaurant_id" : "40388209" }

{ "_id" : ObjectId("60019620c0a4a415fcebc0f1"), "address" : { "building" : "404", "coord" : [ -73.97635439999999, 40.6438997 ], "street" : "Church Avenue", "zipcode" : "11218" }, "borough" : "Brooklyn", "cuisine" : "Chinese", "grades" : [ { "date" : ISODate("2014-10-29T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2014-03-24T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-10-25T00:00:00Z"), "grade" : "C", "score" : 3 }, { "date" : ISODate("2012-10-01T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-05-09T00:00:00Z"), "grade" : "C", "score" : 2 } ], "name" : "Yen Yen Restaurant", "restaurant_id" : "40393181" }

## Question-27:

# 27. Write a MongoDB query to arranged the name of the cuisine in ascending order and for that same cuisine borough should be in descending order.

## Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY>
db.addresses.find().sort({"cuisine":1,"borough" : -1,})

{ "_id" : ObjectId("60019622c0a4a415fcebc484"), "address" : { "building" : "1345", "coord" : [ -73.959249, 40.768076 ], "street" : "2 Avenue", "zipcode" : "10021" }, "borough" : "Manhattan", "cuisine" : "Afghan", "grades" : [ { "date" : ISODate("2014-10-07T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-10-23T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-10-26T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-04-26T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-01-12T00:00:00Z"), "grade" : "P", "score" : 10 } ], "name" : "Afghan Kebab House", "restaurant_id" : "40552806" }

{ "_id" : ObjectId("60019625c0a4a415fcebc5af"), "address" : { "building" : "34", "coord" : [ -73.9883612, 40.7286391 ], "street" : "St Marks Place", "zipcode" : "10003" }, "borough" : "Manhattan", "cuisine" : "Afghan", "grades" : [ { "date" : ISODate("2014-02-20T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-08-06T00:00:00Z"), "grade" : "B", "score" : 17 }, { "date" : ISODate("2013-01-31T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-05-24T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-12-13T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-08-25T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Khyber Pass", "restaurant_id" : "40589545" }

{ "_id" : ObjectId("60019625c0a4a415fcebc668"), "address" : { "building" : "764", "coord" : [ -73.9880435, 40.7641423 ], "street" : "9 Avenue", "zipcode" : "10019" }, "borough" : "Manhattan", "cuisine" : "Afghan", "grades" : [ { "date" : ISODate("2014-12-30T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-10-10T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2013-02-25T00:00:00Z"), "grade" : "A",

"score" : 13 }, { "date" : ISODate("2012-08-09T00:00:00Z"), "grade" : "C", "score" : 2 }, { "date" : ISODate("2012-02-16T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Afghan Kebab House #1", "restaurant_id" : "40616799" }

{ "_id" : ObjectId("60019627c0a4a415fcebcb8b"), "address" : { "building" : "787", "coord" : [ -73.9880886, 40.7651331 ], "street" : "9 Avenue", "zipcode" : "10019" }, "borough" : "Manhattan", "cuisine" : "Afghan", "grades" : [ { "date" : ISODate("2014-07-22T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-07-08T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-02-05T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2011-11-28T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Ariana Kebab House", "restaurant_id" : "40868400" }

{ "_id" : ObjectId("60019626c0a4a415fcebca00"), "address" : { "building" : "14612", "coord" : [ -73.8057078, 40.6948408 ], "street" : "Liberty Avenue", "zipcode" : "11435" }, "borough" : "Queens", "cuisine" : "African", "grades" : [ { "date" : ISODate("2014-04-16T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2013-09-16T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2012-08-23T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-02-21T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-06-30T00:00:00Z"), "grade" : "B", "score" : 19 } ], "name" : "Africana Restaurant", "restaurant_id" : "40798504" }

{ "_id" : ObjectId("60019625c0a4a415fcebc78a"), "address" : { "building" : "195", "coord" : [ -73.9717845, 40.6897199 ], "street" : "Dekalb Avenue", "zipcode" : "11205" }, "borough" : "Brooklyn", "cuisine" : "African", "grades" : [ { "date" : ISODate("2014-08-18T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2014-01-13T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2012-12-19T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-08-01T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-03-12T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-11-01T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Madiba", "restaurant_id" : "40684161" }

{ "_id" : ObjectId("60019620c0a4a415fcebbe71"), "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("60019626c0a4a415fcebcab8"), "address" : { "building" : "2364", "coord" : [ -73.9025083, 40.8603246 ], "street" : "Jerome Avenue", "zipcode" : "10468" }, "borough" : "Bronx", "cuisine" : "African", "grades" : [ { "date" : ISODate("2014-04-22T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-10-22T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-09-18T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2011-10-04T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-05-26T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Ebe Ye Yie African Restaurant", "restaurant_id" : "40832718" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbde4"), "address" : { "building" : "37", "coord" : [ -74.138263, 40.546681 ], "street" : "Mansion Ave", "zipcode" : "10308" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-04-22T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-09-25T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-06-09T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "Great Kills Yacht Club", "restaurant_id" : "40364610" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdf1"), "address" : { "building" : "390", "coord" : [ -74.07444319999999, 40.6096914 ], "street" : "Hylan Boulevard", "zipcode" : "10305" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-06-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-06-15T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-08-30T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-10-07T00:00:00Z"),

"grade" : "B", "score" : 20 } ], "name" : "Labetti'S Post # 2159", "restaurant_id" : "40365022" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbbdf5"), "address" : { "building" : "6736", "coord" : [ -74.2274942, 40.5071996 ], "street" : "Hylan Boulevard", "zipcode" : "10309" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-08-13T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-08-20T00:00:00Z"), "grade" : "B", "score" : 19 }, { "date" : ISODate("2012-06-18T00:00:00Z"), "grade" : "A", "score" : 6 } ], "name" : "South Shore Swimming Club", "restaurant_id" : "40365120" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbe10"), "address" : { "building" : "3823", "coord" : [ -74.16536339999999, 40.5450793 ], "street" : "Richmond Avenue", "zipcode" : "10312" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-07-15T00:00:00Z"), "grade" : "B", "score" : 20 }, { "date" : ISODate("2013-04-01T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-03-12T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Joyce'S Tavern", "restaurant_id" : "40365692" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbe3a"), "address" : { "building" : "697", "coord" : [ -74.11223799999999, 40.629819 ], "street" : "Forest Avenue", "zipcode" : "10310" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-07-17T00:00:00Z"), "grade" : "B", "score" : 25 }, { "date" : ISODate("2013-10-03T00:00:00Z"), "grade" : "B", "score" : 22 }, { "date" : ISODate("2013-02-13T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-06-11T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-05T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Li Greci'S Staaten Restaurant", "restaurant_id" : "40366711" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbe42"), "address" : { "building" : "135", "coord" : [ -74.10465599999999, 40.58834 ], "street" : "Flagg Place", "zipcode" : "10304" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-07-10T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-05-22T00:00:00Z"), "grade" : "A",

"score" : 13 }, { "date" : ISODate("2012-11-29T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-04-13T00:00:00Z"), "grade" : "B", "score" : 23 }, { "date" : ISODate("2011-08-13T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Richmond County Country Club", "restaurant_id" : "40366928" }

{ "_id" : ObjectId("60019620c0a4a415fcebbe5b"), "address" : { "building" : "17", "coord" : [ -74.1350211, 40.6369042 ], "street" : "Harrison Avenue", "zipcode" : "10302" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-07-22T00:00:00Z"), "grade" : "B", "score" : 15 }, { "date" : ISODate("2013-10-23T00:00:00Z"), "grade" : "B", "score" : 16 }, { "date" : ISODate("2013-04-16T00:00:00Z"), "grade" : "B", "score" : 17 }, { "date" : ISODate("2012-03-31T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Buddy'S Wonder Bar", "restaurant_id" : "40367442" }

{ "_id" : ObjectId("60019620c0a4a415fcebbe7b"), "address" : { "building" : "2001", "coord" : [ -74.099018, 40.58116500000001 ], "street" : "Hylan Boulevard", "zipcode" : "10306" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-10-06T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-03-20T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-09-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-04-01T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-03-05T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Colonnade Diner", "restaurant_id" : "40368291" }

{ "_id" : ObjectId("60019620c0a4a415fcebbe98"), "address" : { "building" : "372", "coord" : [ -74.1018239, 40.630788 ], "street" : "Forest Avenue", "zipcode" : "10301" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-03-08T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-09-17T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2013-02-14T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-07-14T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-12-14T00:00:00Z"), "grade" : "A",

"score" : 13 }, { "date" : ISODate("2011-07-11T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Jody'S Club", "restaurant_id" : "40369158" }

{ "_id" : ObjectId("60019620c0a4a415fcebbed6"), "address" : { "building" : "1745", "coord" : [ -74.146976, 40.625178 ], "street" : "Forest Avenue", "zipcode" : "10303" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-11-15T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2014-06-24T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-01-08T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-12-07T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-06-23T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-24T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Perkins Family Restaurant & Bakery", "restaurant_id" : "40370910" }

{ "_id" : ObjectId("60019620c0a4a415fcebbee7"), "address" : { "building" : "2055", "coord" : [ -74.1321, 40.61266000000001 ], "street" : "Victory Boulevard", "zipcode" : "10314" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-11-06T00:00:00Z"), "grade" : "B", "score" : 25 }, { "date" : ISODate("2014-05-06T00:00:00Z"), "grade" : "B", "score" : 20 }, { "date" : ISODate("2013-01-26T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-12-17T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Schaffer'S Tavern", "restaurant_id" : "40371771" }

{ "_id" : ObjectId("60019620c0a4a415fcebbeec"), "address" : { "building" : "275", "coord" : [ -74.1235473, 40.6215341 ], "street" : "Martling Ave", "zipcode" : "10314" }, "borough" : "Staten Island", "cuisine" : "American ", "grades" : [ { "date" : ISODate("2014-04-09T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-01-16T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-01-06T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Exclusive Catering", "restaurant_id" : "40372016" }

# Question-28:

**28. Write a MongoDB query to know whether all the addresses contains the street or not.**

**Solution:**

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find(

...                 {"address.street" :

...                     { $exists : true }

...                 }

...             )

{ "_id" : ObjectId("6001961fc0a4a415fcebbd99"), "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("6001961fc0a4a415fcebbd9a"), "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("6001961fc0a4a415fcebbd9b"), "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("6001961fc0a4a415fcebbd9c"), "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("6001961fc0a4a415fcebbd9d"), "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("6001961fc0a4a415fcebbd9e"), "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("6001961fc0a4a415fcebbd9f"), "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("6001961fc0a4a415fcebbda0"), "address" : { "building" : "7114", "coord" : [ -73.9068506, 40.6199034 ], "street" : "Avenue U", "zipcode" : "11234" }, "borough" : "Brooklyn", "cuisine" : "Delicatessen", "grades" : [ { "date" : ISODate("2014-05-29T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-01-14T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-08-03T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-07-18T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-03-09T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-10-14T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Wilken'S Fine Food", "restaurant_id" : "40356483" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda1"), "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("6001961fc0a4a415fcebbda2"), "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("6001961fc0a4a415fcebbda3"), "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("6001961fc0a4a415fcebbda4"), "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("6001961fc0a4a415fcebbda5"), "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("6001961fc0a4a415fcebbda6"), "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("6001961fc0a4a415fcebbda7"), "address" : { "building" : "705", "coord" : [ -73.9653967, 40.6064339 ], "street" : "Kings Highway", "zipcode" : "11223" }, "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "grades" : [ { "date" : ISODate("2014-11-10T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-10-10T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-10-04T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-05-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-12-30T00:00:00Z"), "grade" : "B", "score" : 19 } ], "name" : "Seuda Foods", "restaurant_id" : "40360045" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda8"), "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("6001961fc0a4a415fcebbda9"), "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("6001961fc0a4a415fcebbdaa"), "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("6001961fc0a4a415fcebbdab"), "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("6001961fc0a4a415fcebbdac"), "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" }

# Question-29:

**29. Write a MongoDB query which will select all documents in the restaurants collection where the coord field value is Double**

**Solution:**

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find({"address.coord" : {$type : 1} } )

{ "_id" : ObjectId("6001961fc0a4a415fcebbd99"), "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("6001961fc0a4a415fcebbd9a"), "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("6001961fc0a4a415fcebbd9b"), "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("6001961fc0a4a415fcebbd9c"), "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("6001961fc0a4a415fcebbd9d"), "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("6001961fc0a4a415fcebbd9e"), "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("6001961fc0a4a415fcebbd9f"), "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("6001961fc0a4a415fcebbda0"), "address" : { "building" : "7114", "coord" : [ -73.9068506, 40.6199034 ], "street" : "Avenue U", "zipcode" : "11234" }, "borough" : "Brooklyn", "cuisine" : "Delicatessen", "grades" : [ { "date" : ISODate("2014-05-29T00:00:00Z"), "grade" : "A",

"score" : 10 }, { "date" : ISODate("2014-01-14T00:00:00Z"), "grade" : "A",
"score" : 10 }, { "date" : ISODate("2013-08-03T00:00:00Z"), "grade" : "A",
"score" : 8 }, { "date" : ISODate("2012-07-18T00:00:00Z"), "grade" : "A",
"score" : 10 }, { "date" : ISODate("2012-03-09T00:00:00Z"), "grade" : "A",
"score" : 13 }, { "date" : ISODate("2011-10-14T00:00:00Z"), "grade" : "A",
"score" : 9 } ], "name" : "Wilken'S Fine Food", "restaurant_id" : "40356483"
}

{ "_id" : ObjectId("6001961fc0a4a415fcebbda1"), "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("6001961fc0a4a415fcebbda2"), "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("6001961fc0a4a415fcebbda3"), "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("6001961fc0a4a415fcebbda4"), "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("6001961fc0a4a415fcebbda5"), "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("6001961fc0a4a415fcebbda6"), "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("6001961fc0a4a415fcebbda7"), "address" : { "building" : "705", "coord" : [ -73.9653967, 40.6064339 ], "street" : "Kings Highway", "zipcode" : "11223" }, "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher",

"grades" : [ { "date" : ISODate("2014-11-10T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-10-10T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-10-04T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-05-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-12-30T00:00:00Z"), "grade" : "B", "score" : 19 } ], "name" : "Seuda Foods", "restaurant_id" : "40360045" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbda8"), "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("6001961fc0a4a415fcebbda9"), "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("6001961fc0a4a415fcebbdaa"), "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("6001961fc0a4a415fcebbdab"), "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("6001961fc0a4a415fcebbdac"), "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" }

# Question-30:

**30. Write a MongoDB query which will select the restaurant Id, name and grades for those restaurants which returns 0 as a remainder after dividing the score by 7**

**Solution:**

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find({"grades.score" :{$mod : [7,0]}}, {"restaurant_id" : 1,"name":1,"grades":1})

{ "_id" : ObjectId("6001961fc0a4a415fcebbd99"), "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("6001961fc0a4a415fcebbd9c"), "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("6001961fc0a4a415fcebbd9e"), "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("6001961fc0a4a415fcebbda5"), "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("6001961fc0a4a415fcebbda6"), "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("6001961fc0a4a415fcebbda7"), "grades" : [ { "date" : ISODate("2014-11-10T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-10-10T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-10-04T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-05-21T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2011-12-30T00:00:00Z"), "grade" : "B", "score" : 19 } ], "name" : "Seuda Foods", "restaurant_id" : "40360045" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdad"), "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("6001961fc0a4a415fcebbdaf"), "grades" : [ { "date" : ISODate("2014-03-19T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2013-03-13T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-03-27T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2011-04-05T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Steve Chu'S Deli & Grocery", "restaurant_id" : "40361998" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdb0"), "grades" : [ { "date" : ISODate("2014-09-15T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2014-03-04T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-07-18T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2013-01-09T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2012-04-10T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2011-11-15T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Harriet'S Kitchen", "restaurant_id" : "40362098" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdb3"), "grades" : [ { "date" : ISODate("2014-03-18T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-03-18T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-10-10T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-09-22T00:00:00Z"), "grade" : "A", "score" : 2 } ], "name" : "White Castle", "restaurant_id" : "40362344" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdb4"), "grades" : [ { "date" : ISODate("2014-04-21T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-11-12T00:00:00Z"), "grade" : "A", "score" : 5 }, { "date" : ISODate("2013-06-04T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-11-14T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2012-10-11T00:00:00Z"), "grade" : "P", "score" : 0 }, { "date" : ISODate("2012-05-24T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" :

ISODate("2011-12-08T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" :
ISODate("2011-07-20T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" :
"Ho Mei Restaurant", "restaurant_id" : "40362432" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdb6"), "grades" : [ { "date" :
ISODate("2014-05-13T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" :
ISODate("2013-05-08T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" :
ISODate("2012-09-22T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" :
ISODate("2011-06-06T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" :
"Shashemene Int'L Restaura", "restaurant_id" : "40362869" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdbb"), "grades" : [ { "date" :
ISODate("2014-10-17T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" :
ISODate("2013-09-18T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" :
ISODate("2013-04-30T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" :
ISODate("2012-04-20T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" :
ISODate("2011-12-19T00:00:00Z"), "grade" : "A", "score" : 3 } ], "name" :
"Olive'S", "restaurant_id" : "40363151" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdbf"), "grades" : [ { "date" :
ISODate("2014-02-21T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" :
ISODate("2013-09-13T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" :
ISODate("2012-08-28T00:00:00Z"), "grade" : "A", "score" : 0 }, { "date" :
ISODate("2011-09-13T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" :
ISODate("2011-05-03T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" :
"Lexler Deli", "restaurant_id" : "40363426" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdc2"), "grades" : [ { "date" :
ISODate("2014-02-25T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" :
ISODate("2013-08-14T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" :
ISODate("2012-08-07T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" :
ISODate("2012-03-26T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" :
ISODate("2011-11-04T00:00:00Z"), "grade" : "A", "score" : 0 }, { "date" :
ISODate("2011-06-29T00:00:00Z"), "grade" : "A", "score" : 4 } ], "name" :
"Snack Time Grill", "restaurant_id" : "40363590" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdc3"), "grades" : [ { "date" :
ISODate("2014-06-02T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" :

ISODate("2013-12-27T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2013-03-18T00:00:00Z"), "grade" : "B", "score" : 26 }, { "date" : ISODate("2012-02-01T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2011-07-06T00:00:00Z"), "grade" : "B", "score" : 25 } ], "name" : "Lorenzo & Maria'S", "restaurant_id" : "40363630" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdc4"), "grades" : [ { "date" : ISODate("2014-08-05T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2014-03-06T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-07-09T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-01-30T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-01-05T00:00:00Z"), "grade" : "A", "score" : 2 }, { "date" : ISODate("2011-09-26T00:00:00Z"), "grade" : "A", "score" : 0 } ], "name" : "Domino'S Pizza", "restaurant_id" : "40363644" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdc6"), "grades" : [ { "date" : ISODate("2014-02-05T00:00:00Z"), "grade" : "A", "score" : 0 }, { "date" : ISODate("2013-01-29T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2011-12-08T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Sonny'S Heros", "restaurant_id" : "40363744" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdcd"), "grades" : [ { "date" : ISODate("2014-11-18T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-11-07T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-04-24T00:00:00Z"), "grade" : "A", "score" : 7 }, { "date" : ISODate("2012-03-20T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "Plaza Bagels & Deli", "restaurant_id" : "40364286" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbdd0"), "grades" : [ { "date" : ISODate("2015-01-06T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2014-07-15T00:00:00Z"), "grade" : "C", "score" : 48 }, { "date" : ISODate("2013-05-02T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2012-09-24T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-04-19T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Texas Rotisserie", "restaurant_id" : "40364304" }

## Question-31:

**31. Write a MongoDB query to find the restaurant name, borough, longitude and attitude and cuisine for those restaurants which contains 'mon' as three letters somewhere in its name.**

**Solution:**

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find(

...         { name :

...          { $regex : "mon.*", $options: "i" }

...         },

...           {

...            "name":1,

...            "borough":1,

...            "address.coord":1,

...            "cuisine" :1

...           }

...         )

{ "_id" : ObjectId("6001961fc0a4a415fcebbe2d"), "address" : { "coord" : [ -73.98306099999999, 40.7441419 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Desmond'S Tavern" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbe36"), "address" : { "coord" : [ -73.8221418, 40.7272376 ] }, "borough" : "Queens", "cuisine" : "Jewish/Kosher", "name" : "Shimons Kosher Pizza" }

{ "_id" : ObjectId("6001961fc0a4a415fcebbe42"), "address" : { "coord" : [ -74.10465599999999, 40.58834 ] }, "borough" : "Staten Island", "cuisine" : "American ", "name" : "Richmond County Country Club" }

{ "_id" : ObjectId("60019620c0a4a415fcebbe6d"), "address" : { "coord" : [ -73.9812843, 40.5947365 ] }, "borough" : "Brooklyn", "cuisine" : "Pizza/Italian", "name" : "Lb Spumoni Gardens" }

{ "_id" : ObjectId("60019620c0a4a415fcebbebf"), "address" : { "coord" : [ -73.951199, 40.7166026 ] }, "borough" : "Brooklyn", "cuisine" : "Italian", "name" : "Bamonte'S Restaurant" }

{ "_id" : ObjectId("60019620c0a4a415fcebbef6"), "address" : { "coord" : [ -73.924072, 40.76108900000001 ] }, "borough" : "Queens", "cuisine" : "Greek", "name" : "Omonia Cafe" }

{ "_id" : ObjectId("60019620c0a4a415fcebbf46"), "address" : { "coord" : [ -74.0023353, 40.7333573 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Manhattan Monster" }

{ "_id" : ObjectId("60019620c0a4a415fcebbf73"), "address" : { "coord" : [ -74.001094, 40.729583 ] }, "borough" : "Manhattan", "cuisine" : "Italian", "name" : "Monte'S" }

{ "_id" : ObjectId("60019620c0a4a415fcebbf79"), "address" : { "coord" : [ -73.9901605, 40.7526176 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Delmonico'S Kitchen" }

{ "_id" : ObjectId("60019620c0a4a415fcebbf8f"), "address" : { "coord" : [ -73.9979536, 40.6914024 ] }, "borough" : "Brooklyn", "cuisine" : "Bottled beverages, including water, sodas, juices, etc.", "name" : "Montero Bar & Grill" }

{ "_id" : ObjectId("60019620c0a4a415fcebc11a"), "address" : { "coord" : [ -73.9707505, 40.7635651 ] }, "borough" : "Manhattan", "cuisine" : "Delicatessen", "name" : "Delmonico Gourmet" }

{ "_id" : ObjectId("60019621c0a4a415fcebc187"), "address" : { "coord" : [ -73.9760637, 40.7508686 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Delmonico Gourmet" }

{ "_id" : ObjectId("60019621c0a4a415fcebc19b"), "address" : { "coord" : [ -73.9705633, 40.7605759 ] }, "borough" : "Manhattan", "cuisine" : "Italian", "name" : "Montebello Restaurant" }

{ "_id" : ObjectId("60019622c0a4a415fcebc233"), "address" : { "coord" : [ -74.1914658, 40.55274360000001 ] }, "borough" : "Staten Island", "cuisine" : "Italian", "name" : "Villa Monte Pizzeria" }

{ "_id" : ObjectId("60019622c0a4a415fcebc2de"), "address" : { "coord" : [ -73.97198209999999, 40.764464 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Harmonie Club" }

{ "_id" : ObjectId("60019622c0a4a415fcebc3a2"), "address" : { "coord" : [ -73.79571990000001, 40.7095637 ] }, "borough" : "Queens", "cuisine" : "Bakery", "name" : "Ramona'S Bakery" }

{ "_id" : ObjectId("60019622c0a4a415fcebc3d6"), "address" : { "coord" : [ -73.97852100000001, 40.729192 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Mona'S" }

{ "_id" : ObjectId("60019622c0a4a415fcebc3fb"), "address" : { "coord" : [ -73.98463480000001, 40.7630755 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Neil Simon Theatre" }

{ "_id" : ObjectId("60019622c0a4a415fcebc436"), "address" : { "coord" : [ -73.9938361, 40.6091317 ] }, "borough" : "Brooklyn", "cuisine" : "Bakery", "name" : "Mondial Bakery" }

{ "_id" : ObjectId("60019622c0a4a415fcebc45d"), "address" : { "coord" : [ -74.028486, 40.630438 ] }, "borough" : "Brooklyn", "cuisine" : "Mediterranean", "name" : "Omonia Cafe" }

# Question 32:

**32. Write a MongoDB query to find the restaurant name, borough, longitude and latitude and cuisine for those restaurants which contain 'Mad' as first three letters of its name**

# Solution:

MongoDB Enterprise atlas-129li4-shard-0:PRIMARY> db.addresses.find(

...               { name :

...                 { $regex : /^Mad/i, }

...               },

...                 {

```
...                    "name":1,
...                    "borough":1,
...                    "address.coord":1,
...                    "cuisine" :1
...                 }
...             )
```

{ "_id" : ObjectId("60019622c0a4a415fcebc2d5"), "address" : { "coord" : [ -73.9860597, 40.7431194 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Madison Square" }

{ "_id" : ObjectId("60019622c0a4a415fcebc3a3"), "address" : { "coord" : [ -73.98302199999999, 40.742313 ] }, "borough" : "Manhattan", "cuisine" : "Indian", "name" : "Madras Mahal" }

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{ "_id" : ObjectId("60019625c0a4a415fcebc701"), "address" : { "coord" : [ -73.98171959999999, 40.7499406 ] }, "borough" : "Manhattan", "cuisine" : "French", "name" : "Madison Bistro" }

{ "_id" : ObjectId("60019625c0a4a415fcebc78a"), "address" : { "coord" : [ -73.9717845, 40.6897199 ] }, "borough" : "Brooklyn", "cuisine" : "African", "name" : "Madiba" }

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{ "_id" : ObjectId("60019626c0a4a415fcebcb0d"), "address" : { "coord" : [ -73.9886598, 40.7565811 ] }, "borough" : "Manhattan", "cuisine" : "Hotdogs", "name" : "Madame Tussaud'S" }

{ "_id" : ObjectId("60019626c0a4a415fcebcb45"), "address" : { "coord" : [ -73.95623719999999, 40.7761697 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Mad River Bar & Grille" }