

MONGODB ASSIGNMENT 3

Name:Shruti Bhosale

1)db.addresses.find()

```
> db.addresses.find()
{ "_id" : ObjectId("610782f48158e000de3dab78"), "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("610782f48158e000de3dab79"), "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("610782f48158e000de3dab7a"), "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("610782f48158e000de3dab7b"), "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("610782f48158e000de3dab7c"), "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("610782f48158e000de3dab7d"), "address" : { "building" : "8825", "coord" : [ -73.8803827, 40.7643124 ] }
```

2)db.addresses.find({},{"restaurant_id":1,"name":1,"borough":1,"cuisine":1})

```
> db.addresses.find({},{"restaurant_id":1,"name":1,"borough":1,"cuisine":1})
{ "_id" : ObjectId("610782f48158e000de3dab78"), "borough" : "Bronx", "cuisine" : "Bakery", "name" : "Morris Park Bake Shop", "restaurant_id" : "30075445" }
{ "_id" : ObjectId("610782f48158e000de3dab79"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "Wendy'S", "restaurant_id" : "30112340" }
{ "_id" : ObjectId("610782f48158e000de3dab7a"), "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dj Reynolds Pub And Restaurant", "restaurant_id" : "30191841" }
{ "_id" : ObjectId("610782f48158e000de3dab7b"), "borough" : "Brooklyn", "cuisine" : "American", "name" : "Riviera Caterer", "restaurant_id" : "40356018" }
{ "_id" : ObjectId("610782f48158e000de3dab7c"), "borough" : "Queens", "cuisine" : "Jewish/Kosher", "name" : "Tov Kosher Kitchen", "restaurant_id" : "40356068" }
{ "_id" : ObjectId("610782f48158e000de3dab7d"), "borough" : "Queens", "cuisine" : "American", "name" : "Brunos On The Boulevard", "restaurant_id" : "40356151" }
{ "_id" : ObjectId("610782f48158e000de3dab7e"), "borough" : "Staten Island", "cuisine" : "Jewish/Kosher", "name" : "Kosher Island", "restaurant_id" : "40356442" }
{ "_id" : ObjectId("610782f48158e000de3dab7f"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine Food", "restaurant_id" : "40356483" }
{ "_id" : ObjectId("610782f48158e000de3dab80"), "borough" : "Brooklyn", "cuisine" : "American", "name" : "Regina Caterers", "restaurant_id" : "40356649" }
{ "_id" : ObjectId("610782f48158e000de3dab81"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Taste The Tropics Ice Cream", "restaurant_id" : "40356731" }
{ "_id" : ObjectId("610782f48158e000de3dab82"), "borough" : "Bronx", "cuisine" : "American", "name" : "Wild Asia", "restaurant_id" : "40357217" }
{ "_id" : ObjectId("610782f48158e000de3dab83"), "borough" : "Brooklyn", "cuisine" : "American", "name" : "C & C Catering Service", "restaurant_id" : "40357437" }
{ "_id" : ObjectId("610782f48158e000de3dab84"), "borough" : "Brooklyn", "cuisine" : "Chinese", "name" : "May May Kitchen", "restaurant_id" : "40358429" }
{ "_id" : ObjectId("610782f48158e000de3dab85"), "borough" : "Manhattan", "cuisine" : "American", "name" : "1 East 66Th Street Kitchen", "restaurant_id" : "40359480" }
{ "_id" : ObjectId("610782f48158e000de3dab86"), "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Seuda Foo
```

3)db.addresses.find({},{"restaurant_id":1,"name":1,"borough":1,"cuisine":1,"_id":0})

```
> db.addresses.find({},{"restaurant_id":1,"name":1,"borough":1,"cuisine":1,"_id":0})
{ "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" }
Type "it" for more
>
```

4) db.addresses.find({}, {"restaurant_id": 1, "name": 1, "borough": 1, "address.zipcode": 1, "_id": 0})

```
> db.addresses.find({}, {"restaurant_id": 1, "name": 1, "borough": 1, "address.zipcode": 1, "_id": 0})
{ "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" }
```

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

```
C:\Windows\System32\cmd.exe - mongo
> db.addresses.find({"borough": "Bronx"})
{ "_id" : ObjectId("610782f48158e000de3dab78"), "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("610782f48158e000de3dab2"), "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("610782f48158e000de3dab97"), "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("610782f48158e000de3dab9b"), "address" : { "building" : "1236", "coord" : [ -73.8893654, 40.8137617999999 ], "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("610782f48158e000de3dabad"), "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("610782f48158e000de3dabb5"), "address" : { "building" : "658", "coord" : [ -73.81363999999999, 40.829 
```

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

```
C:\Windows\System32\cmd.exe - mongo
> db.addresses.find({"borough": "Bronx"}).limit(5)
{ "_id" : ObjectId("610782f48158e000de3dab78"), "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("610782f48158e000de3dab2"), "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("610782f48158e000de3dab97"), "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("610782f48158e000de3dab9b"), "address" : { "building" : "1236", "coord" : [ -73.8893654, 40.8137617999999 ], "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("610782f48158e000de3dabad"), "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" }
>
```

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

```
> db.addresses.find({"borough": "Bronx"}).skip(5).limit(5)
{
  "_id" : ObjectId("610782f48158e000de3dabb5"),
  "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("610782f48158e000de3dabed"),
  "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("610782f48158e000de3dabe5"),
  "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" : 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("610782f48158e000de3dabf8"),
  "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("610782f48158e000de3dac11"),
  "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" : ""
  }
}
```

8) db.addresses.find({grades : { \$elemMatch:{"score":{\$gt : 90}}}})

```
> db.addresses.find({grades : { $elemMatch:{"score":{$gt : 90}}}}).pretty()
{
  "_id" : ObjectId("610782f48158e000de3dacd6"),
  "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/Randolph's S",
  "restaurant_id" : "40372466"
}
```

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

```
> db.addresses.find({grades : { $elemMatch:{"score":{$gt : 80 , $lt :100}}}})  
{ "_id" : ObjectId("610782f48158e000de3dad77"), "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("610782f48158e000de3daeda"), "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"), "g  
rade" : "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", "s  
core" : 11 } ], "name" : "Bella Napoli", "restaurant_id" : "40393488" }  
{ "_id" : ObjectId("610782f58158e000de3db746"), "address" : { "building" : "", "coord" : [ -74.0163793, 40.7167671 ], "s  
treet" : "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 Str  
eet Boat Basin Cafe", "restaurant_id" : "40756344" }  
>
```

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

```
> db.addresses.find({"address.coord" : {$lt : -95.754168}})  
{ "_id" : ObjectId("610782f48158e000de3db1c0"), "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("610782f58158e000de3db52b"), "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" : "Casciarino'S", "restau  
rant_id" : "40668681" }  
{ "_id" : ObjectId("610782f58158e000de3db9d1"), "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"), "gra  
de" : "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)", "restau  
rant_id" : "40882356" }  
> db.addresses.find({"address.coord" : {$lt : -95.754168}})  
{ "_id" : ObjectId("610782f48158e000de3db1c0"), "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" : 11  
}, { "date" : ISODate("2011-07-27T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Sports Center At Chelsea Piers (Sushi Bar)", "restau  
rant_id" : "40882356" }
```

11) db.addresses.find {\$and:[{"cuisine" : {\$ne :"American"}}, {"grades.score" : {\$gt : 70}},

```
{"address.coord" : {$lt : -65.754168} } )
```

```
> db.addresses.find({$and:[ {"cuisine" : {$ne :"American"}}, {"grades.score" : {$gt : 70}}, {"address.coord" : {$lt : -65.754168}}]})  
{ "_id" : ObjectId("610782f48158e000de3dad77"), "address" : { "building" : "345", "coord" : [ -73.9864626, 40.7266739 ], "street" : "East 6 Street", "zipcode" : "10003" }, "borough" : "Manhattan", "cuisine" : "I  
ndian", "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("2012-04-06  
T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-11-03T00:00:00Z"), "grade" : "C", "score" : 41 } ], "name" : "Gandhi", "restau  
rant_id" : "40381295" }  
{ "_id" : ObjectId("610782f48158e000de3daeda"), "address" : { "building" : "130", "coord" : [ -73.984758, 40.7457939 ], "street" : "Madison Avenue", "zipcode" : "10016" }, "borou  
gh" : "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 N  
apoli", "restaurant_id" : "40393488" }  
{ "_id" : ObjectId("610782f48158e000de3daee5"), "address" : { "building" : "101", "coord" : [ -73.9243061, 40.8276297 ], "street" : "East 161 Street", "zipcode" : "10451" }, "borou  
gh" : "Bronx", "cuisine" : "Latin (Cuban, Dominican, Puerto Rican, South & Central American)", "grades" : [ { "date" : ISODate("2014-04-10T00:00:00Z"), "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("2011-04-25T0  
0:00:00Z"), "grade" : "C", "score" : 76 } ], "name" : "El Molino Rojo Restaurant", "restaurant_id" : "40393688" }  
{ "_id" : ObjectId("610782f48158e000de3db35"), "address" : { "building" : "289", "coord" : [ -73.9461027999999, 40.7137587 ], "street" : "Manhattan Avenue", "zipcode" : "11211" }, "borou  
gh" : "Brooklyn", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-03-19T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-05-07T  
00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-09-27T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "Is  
o Moltos", "restaurant_id" : "40400561" }  
{ "_id" : ObjectId("610782f48158e000de3db5f"), "address" : { "building" : "231", "coord" : [ -73.9772294, 40.7527262 ], "street" : "Grand Central Station", "zipcode" : "10017" }, "borou  
gh" : "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("2013-12-21T  
00:00:00Z"), "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 B  
oots Grand Central", "restaurant_id" : "40725591" }  
>
```

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

```
> db.addresses.find({cuisine" : {$ne :"American"}, "grades.score" :{$gt: 70}, "address.coord" : {$lt : -65.754168}})  
{ "_id" : ObjectId("610782f48158e000de3dad77"), "address" : { "building" : "345", "coord" : [ -73.9864626, 40.7266739 ], "street" : "East 6 Street", "zipcode" : "10003" }, "borough" : "Manhattan", "cuisine" : "I  
ndian", "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("2012-04-06  
T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-11-03T00:00:00Z"), "grade" : "C", "score" : 41 } ], "name" : "Gandhi", "restau  
rant_id" : "40381295" }  
{ "_id" : ObjectId("610782f48158e000de3daeda"), "address" : { "building" : "130", "coord" : [ -73.984758, 40.7457939 ], "street" : "Madison Avenue", "zipcode" : "10016" }, "borou  
gh" : "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 N  
apoli", "restaurant_id" : "40393488" }  
{ "_id" : ObjectId("610782f48158e000de3daee5"), "address" : { "building" : "101", "coord" : [ -73.9243061, 40.8276297 ], "street" : "East 161 Street", "zipcode" : "10451" }, "borou  
gh" : "Bronx", "cuisine" : "Latin (Cuban, Dominican, Puerto Rican, South & Central American)", "grades" : [ { "date" : ISODate("2014-04-10T00:00:00Z"), "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("2011-04-25T0  
0:00:00Z"), "grade" : "C", "score" : 76 } ], "name" : "El Molino Rojo Restaurant", "restaurant_id" : "40393688" }  
{ "_id" : ObjectId("610782f48158e000de3db35"), "address" : { "building" : "289", "coord" : [ -73.9461027999999, 40.7137587 ], "street" : "Manhattan Avenue", "zipcode" : "11211" }, "borou  
gh" : "Brooklyn", "cuisine" : "Bakery", "grades" : [ { "date" : ISODate("2014-03-19T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-05-07T  
00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2012-09-27T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "Is  
o Moltos", "restaurant_id" : "40400561" }  
{ "_id" : ObjectId("610782f58158e000de3db65f"), "address" : { "building" : "231", "coord" : [ -73.9772294, 40.7527262 ], "street" : "Grand Central Station", "zipcode" : "10017" }, "borou  
gh" : "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("2013-12-21T  
00:00:00Z"), "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 B  
oots Grand Central", "restaurant_id" : "40725591" }  
>
```

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

```
> db.addresses.find( {
...     "cuisine" : {$ne : "American" },
...     "grades.grade" :"A",
...     "borough": {$ne : "Brooklyn"}
...
...   }.sort({"cuisine": -1})
{
  "_id" : ObjectId("610782f48158e000de3db284"),
  "address" : { "building" : "89", "coord" : [ -73.9995899, 40.716015 ], "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("610782f48158e000de3db33d"),
  "address" : { "building" : "8278", "coord" : [ -73.8814350999999, 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" : "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("610782f48158e000de3db726"),
  "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("610782f48158e000de3da28"),
  "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("610782f48158e000de3dafdd"),
  "address" : { "building" : "1307", "coord" : [ -73.9589834, 40.7714183999999 ], "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("610782f48158e000de3db145"),
  "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("2012-04-30T00:00:00Z"), "grade" : "A", "score" : 13 }, { "date" : ISODate("2011-11-30T00:00:00Z"), "grade" : "A", "score" : 11 } ],
  {"name" : "Village Yogurt", "restaurant_id" : "40512123" }
{
  "_id" : ObjectId("610782f48158e000de3db1e5"),
  "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("610782f58158e000de3db486"),
  "address" : { "building" : "405", "coord" : [ -73.9856523999999, 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("610782f48158e000de3db4ac"),
  "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" : "Mama", "restaurant_id" : "40644922" }
{
  "_id" : ObjectId("610782f58158e000de3db934"),
  "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("610782f48158e000de3dab94"),
  "address" : { "building" : "60", "coord" : [ -74.0085357, 40.7062053999999 ], "street" : "Wall Street", "zipcode" : "10005" },
  "borough" : "Manhattan", "cuisine" :
}
```

14) db.addresses.find({name: /Wil/}, { "restaurant_id" : 1, "name":1,"borough":1, "cuisine" :1 })

```
> db.addresses.find({name: /Wil/},{ "restaurant_id" : 1, "name":1,"borough":1, "cuisine" :1})
{
  "_id" : ObjectId("610782f48158e000de3dab7f"),
  "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine Food", "restaurant_id" : "40356483" }
{
  "_id" : ObjectId("610782f48158e000de3dab82"),
  "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant_id" : "40357217" }
{
  "_id" : ObjectId("610782f58158e000de3db987"),
  "borough" : "Bronx", "cuisine" : "Pizza", "name" : "Wilbel Pizza", "restaurant_id" : "40871979" }
>
```

15) db.addresses.find({name: /ces\$/}, { "restaurant_id" : 1, "name":1,"borough":1, "cuisine" :1 })

```
> db.addresses.find({name: /ces$/},{ "restaurant_id" : 1, "name":1,"borough":1, "cuisine" :1})
{
  "_id" : ObjectId("610782f48158e000de3db0b"),
  "borough" : "Manhattan", "cuisine" : "American ", "name" : "Pieces", "restaurant_id" : "40399910" }
{
  "_id" : ObjectId("610782f48158e000de3db0ca"),
  "borough" : "Queens", "cuisine" : "American ", "name" : "S.M.R Restaurant Services", "restaurant_id" : "40403857" }
{
  "_id" : ObjectId("610782f48158e000de3dbd0"),
  "borough" : "Manhattan", "cuisine" : "American ", "name" : "Good Shepherd Services", "restaurant_id" : "40403989" }
{
  "_id" : ObjectId("610782f58158e000de3db583"),
  "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "The Ice Box-Ralph'S Famous Italian Ices", "restaurant_id" : "40690899" }
{
  "_id" : ObjectId("610782f58158e000de3db785"),
  "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Alices", "restaurant_id" : "40782042" }
{
  "_id" : ObjectId("610782f58158e000de3db9a1"),
  "borough" : "Manhattan", "cuisine" : "American ", "name" : "Re: Sources", "restaurant_id" : "40876068" }
>
```

16) db.addresses.find({"name": /.Reg./}, { "restaurant_id" : 1, "name":1,"borough":1, "cuisine" :1 })

```
> db.addresses.find({name: /.Reg./},{ "restaurant_id" : 1, "name":1,"borough":1, "cuisine" :1})
{
  "_id" : ObjectId("610782f48158e000de3dab80"),
  "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Regina Caterers", "restaurant_id" : "40356649" }
{
  "_id" : ObjectId("610782f48158e000de3dac7d"),
  "borough" : "Manhattan", "cuisine" : "Café/Coffee/Tea", "name" : "Caffe Reggio", "restaurant_id" : "40369418" }
{
  "_id" : ObjectId("610782f48158e000de3dad8c"),
  "borough" : "Manhattan", "cuisine" : "American ", "name" : "Regency Hotel", "restaurant_id" : "40382679" }
{
  "_id" : ObjectId("610782f48158e000de3db0a9"),
  "borough" : "Manhattan", "cuisine" : "American ", "name" : "Regency Whist Club", "restaurant_id" : "40402377" }
{
  "_id" : ObjectId("610782f48158e000de3db18c"),
  "borough" : "Queens", "cuisine" : "American ", "name" : "Rego Park Cafe", "restaurant_id" : "40523342" }
{
  "_id" : ObjectId("610782f58158e000de3db7fa"),
  "borough" : "Queens", "cuisine" : "Pizza", "name" : "Regina Pizza", "restaurant_id" : "40801325" }
{
  "_id" : ObjectId("610782f58158e000de3dba11"),
  "borough" : "Manhattan", "cuisine" : "American ", "name" : "Regal Entertainment Group", "restaurant_id" : "40891782" }
>
```

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

```
> db.addresses.find( { "borough": "Bronx" , $or :[ { "cuisine" : "American" }, { "cuisine" : "Chinese" } ] } )  
{ "_id" : ObjectId("610782f48158e000de3dab82") , "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("610782f48158e000de3dab9b") , "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("610782f48158e000de3dabad") , "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("610782f48158e000de3dabb5") , "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("610782f48158e000de3dabcd") , "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("610782f48158e000de3dabe5") , "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" : 9 } ] , "name" : "The New Starling Athletic Club Of The Bronx" , "restaurant_id" : "40364956" }
```

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

```
> db.addresses.find({ "borough" :{$in :["Staten Island","Queens","Bronx","Brooklyn"]}}, {"restaurant_id" : 1 , "name" : 1 , "borough" : 1 , "cuisine" : 1 })  
{ "_id" : ObjectId("610782f48158e000de3dab78") , "borough" : "Bronx" , "cuisine" : "Bakery" , "name" : "Morris Park Bake Shop" , "restaurant_id" : "30075445" }  
{ "_id" : ObjectId("610782f48158e000de3dab79") , "borough" : "Brooklyn" , "cuisine" : "Hamburgers" , "name" : "Wendy'S" , "restaurant_id" : "30112340" }  
{ "_id" : ObjectId("610782f48158e000de3dab7b") , "borough" : "Brooklyn" , "cuisine" : "American" , "name" : "Riviera Caterer" , "restaurant_id" : "40356018" }  
{ "_id" : ObjectId("610782f48158e000de3dab7c") , "borough" : "Queens" , "cuisine" : "Jewish/Kosher" , "name" : "Tov Kosher Kitchen" , "restaurant_id" : "40356068" }  
{ "_id" : ObjectId("610782f48158e000de3dab7d") , "borough" : "Queens" , "cuisine" : "American" , "name" : "Brunos On The Boulevard" , "restaurant_id" : "40356151" }  
{ "_id" : ObjectId("610782f48158e000de3dab7e") , "borough" : "Staten Island" , "cuisine" : "Jewish/Kosher" , "name" : "Kosher Island" , "restaurant_id" : "40356442" }  
{ "_id" : ObjectId("610782f48158e000de3dab7f") , "borough" : "Brooklyn" , "cuisine" : "Delicatessen" , "name" : "Wilken'S Fine Food" , "restaurant_id" : "40356483" }  
{ "_id" : ObjectId("610782f48158e000de3dab80") , "borough" : "Brooklyn" , "cuisine" : "American" , "name" : "Regina Caterers" , "restaurant_id" : "40356649" }  
{ "_id" : ObjectId("610782f48158e000de3dab81") , "borough" : "Brooklyn" , "cuisine" : "Ice Cream, Gelato, Yogurt, Ices" , "name" : "Taste The Tropics Ice Cream" , "restaurant_id" : "40356731" }  
{ "_id" : ObjectId("610782f48158e000de3dab82") , "borough" : "Bronx" , "cuisine" : "American" , "name" : "Wild Asia" , "restaurant_id" : "40357217" }  
{ "_id" : ObjectId("610782f48158e000de3dab83") , "borough" : "Brooklyn" , "cuisine" : "American" , "name" : "C & C Catering Service" , "restaurant_id" : "40357437" }  
{ "_id" : ObjectId("610782f48158e000de3dab84") , "borough" : "Brooklyn" , "cuisine" : "Chinese" , "name" : "May May Kitchen" , "restaurant_id" : "40358429" }  
{ "_id" : ObjectId("610782f48158e000de3dab86") , "borough" : "Brooklyn" , "cuisine" : "Jewish/Kosher" , "name" : "Seuda Food }
```

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

```
> db.addresses.find({"borough" :{$nin :["Staten Island","Queens","Bronx","Brooklyn"]}}, {"restaurant_id":1,"name":1,"borough":1,"cuisine":1})
{ "_id" : ObjectId("610782f48158e000de3dab7a"), "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dj Reynolds Pub And Restaurant", "restaurant_id" : "30191841" }
{ "_id" : ObjectId("610782f48158e000de3dab85"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "1 East 66Th Street Kitchen", "restaurant_id" : "40359480" }
{ "_id" : ObjectId("610782f48158e000de3dab8a"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Glorious Food", "restaurant_id" : "40361521" }
{ "_id" : ObjectId("610782f48158e000de3dab8d"), "borough" : "Manhattan", "cuisine" : "Delicatessen", "name" : "Bully'S Deli", "restaurant_id" : "40361708" }
{ "_id" : ObjectId("610782f48158e000de3dab8f"), "borough" : "Manhattan", "cuisine" : "Chicken", "name" : "Harriet'S Kitchen", "restaurant_id" : "40362098" }
{ "_id" : ObjectId("610782f48158e000de3dab90"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "P & S Deli & Grocery", "restaurant_id" : "40362264" }
{ "_id" : ObjectId("610782f48158e000de3dab91"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Angelika Film Center", "restaurant_id" : "40362274" }
{ "_id" : ObjectId("610782f48158e000de3dab94"), "borough" : "Manhattan", "cuisine" : "Turkish", "name" : "The Country Cafe", "restaurant_id" : "40362715" }
{ "_id" : ObjectId("610782f48158e000de3dab96"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Downtown Deli", "restaurant_id" : "40363021" }
{ "_id" : ObjectId("610782f48158e000de3dab9a"), "borough" : "Manhattan", "cuisine" : "Bakery", "name" : "Olive'S", "restaurant_id" : "40363151" }
{ "_id" : ObjectId("610782f48158e000de3dab9c"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Cafe Metro", "restaurant_id" : "40363298" }
{ "_id" : ObjectId("610782f48158e000de3dab9e"), "borough" : "Manhattan", "cuisine" : "Sandwiches/Salads/Mixed Buffet", "name" : "Lexler Deli", "restaurant_id" : "40363426" }
{ "_id" : ObjectId("610782f48158e000de3daba2"), "borough" : "Manhattan", "cuisine" : "Continental", "name" : "Lorenzo & Maria'S", "restaurant_id" : "40363630" }
{ "_id" : ObjectId("610782f48158e000de3daba3"), "borough" : "Manhattan", "cuisine" : "Pizza", "name" : "Domino'S Pizza"
```

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

```
> db.addresses.find({"grades.score" : { $not: {$gt : 10}}}, {"restaurant_id":1,"name":1,"borough":1,"cuisine":1})
{ "_id" : ObjectId("610782f48158e000de3dab83"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "C & C Catering Service", "restaurant_id" : "40357437" }
{ "_id" : ObjectId("610782f48158e000de3dab85"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "1 East 66Th Street Kitchen", "restaurant_id" : "40359480" }
{ "_id" : ObjectId("610782f48158e000de3dab89"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Delicacies", "restaurant_id" : "40361390" }
{ "_id" : ObjectId("610782f48158e000de3dab92"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "White Castle", "restaurant_id" : "40362344" }
{ "_id" : ObjectId("610782f48158e000de3daba5"), "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Sonny'S Heroes", "restaurant_id" : "40363744" }
{ "_id" : ObjectId("610782f48158e000de3dabb5"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Manhem Club", "restaurant_id" : "40364363" }
{ "_id" : ObjectId("610782f48158e000de3dabc3"), "borough" : "Staten Island", "cuisine" : "American ", "name" : "Great Killys Yacht Club", "restaurant_id" : "40364610" }
{ "_id" : ObjectId("610782f48158e000de3dabca"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "Serendipity 3", "restaurant_id" : "40364863" }
{ "_id" : ObjectId("610782f48158e000de3dabce"), "borough" : "Manhattan", "cuisine" : "American ", "name" : "White Horse Tavern", "restaurant_id" : "40364958" }
{ "_id" : ObjectId("610782f48158e000de3dabd7"), "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dorrian'S Red Hand Restaurant", "restaurant_id" : "40365239" }
{ "_id" : ObjectId("610782f48158e000de3dac28"), "borough" : "Manhattan", "cuisine" : "Mexican", "name" : "Mexico Lindo Restaurant", "restaurant_id" : "40367038" }
{ "_id" : ObjectId("610782f48158e000de3dac48"), "borough" : "Brooklyn", "cuisine" : "Greek", "name" : "El Greco Diner", "restaurant_id" : "40367795" }
{ "_id" : ObjectId("610782f48158e000de3dac4e"), "borough" : "Bronx", "cuisine" : "Not Listed/Not Applicable", "name" : "The Lark'S Nest", "restaurant_id" : "40367946" }
```

21) db.addresses.find({\$or: [{name: /Wil/}, {"\$and": [{"cuisine": {\$ne :"American "}}, {"cuisine": {\$ne :"Chinees"}]}]}], {"restaurant_id":1,"name":1,"borough":1,"cuisine":1})

```
> db.addresses.find({$or: [{name: /Wil/}, {"$and": [{"cuisine": {$ne :"American "}}, {"cuisine": {$ne :"Chinees"}]}]}])
{ "_id" : ObjectId("610782f48158e000de3dab78"), "borough" : "Bronx", "cuisine" : "Bakery", "name" : "Morris Park Bake Shop", "restaurant_id" : "30075445" }
{ "_id" : ObjectId("610782f48158e000de3dab79"), "borough" : "Brooklyn", "cuisine" : "Hamburgers", "name" : "Wendy'S", "restaurant_id" : "30112340" }
{ "_id" : ObjectId("610782f48158e000de3dab7a"), "borough" : "Manhattan", "cuisine" : "Irish", "name" : "Dj Reynolds Pub And Restaurant", "restaurant_id" : "30191841" }
{ "_id" : ObjectId("610782f48158e000de3dab7c"), "borough" : "Queens", "cuisine" : "Jewish/Kosher", "name" : "Tov Kosher Kitchen", "restaurant_id" : "40356068" }
{ "_id" : ObjectId("610782f48158e000de3dab7e"), "borough" : "Staten Island", "cuisine" : "Jewish/Kosher", "name" : "Kosher Island", "restaurant_id" : "40356442" }
{ "_id" : ObjectId("610782f48158e000de3dab7f"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Wilken'S Fine Food", "restaurant_id" : "40356483" }
{ "_id" : ObjectId("610782f48158e000de3dab81"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Taste The Tropics Ice Cream", "restaurant_id" : "40356731" }
{ "_id" : ObjectId("610782f48158e000de3dab82"), "borough" : "Bronx", "cuisine" : "American ", "name" : "Wild Asia", "restaurant_id" : "40357217" }
{ "_id" : ObjectId("610782f48158e000de3dab84"), "borough" : "Brooklyn", "cuisine" : "Chinese", "name" : "May May Kitchen", "restaurant_id" : "40358429" }
{ "_id" : ObjectId("610782f48158e000de3dab86"), "borough" : "Brooklyn", "cuisine" : "Jewish/Kosher", "name" : "Seuda Foods", "restaurant_id" : "40360045" }
{ "_id" : ObjectId("610782f48158e000de3dab87"), "borough" : "Brooklyn", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant_id" : "40360076" }
{ "_id" : ObjectId("610782f48158e000de3dab88"), "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "name" : "Carvel Ice Cream", "restaurant_id" : "40361322" }
{ "_id" : ObjectId("610782f48158e000de3dab89"), "borough" : "Brooklyn", "cuisine" : "Delicatessen", "name" : "Nordic Deli"
```

```
22)db.addresses.find({"grades.date": ISODate("2014-08-11T00:00:00Z"), "grades.grade":"A", "grades.score" : 11}, {"restaurant_id" : 1,"name":1,"grades":1})
```

```
> 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("610782f48158e000de3dabf6"),
  "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("610782f48158e000de3dacd1"),
  "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("610782f48158e000de3daf97"),
  "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("610782f48158e000de3db1a3"),
  "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"
}
```

```
23)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})
```

```
> 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("610782f48158e000de3db1a3"),
  "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"
}
```

```
24)db.addresses.find({"address.coord.1": {$gt : 42, $lte : 52}}, {"restaurant_id" : 1,"name":1,"address":1,"coord":1})
```

```
> db.addresses.find({"address.coord.1": {$gt : 42, $lte : 52}}, {"restaurant_id" : 1,"name":1,"address":1,"coord":1})
{
  "_id" : ObjectId("610782f48158e000de3dae1a"),
  "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("610782f48158e000de3dae46"),
  "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("610782f48158e000de3db09f"),
  "address" : { "building" : "3000", "coord" : [ -87.86567699999999, 42.61150920000001 ],
    "street" : "47 Avenue", "zipcode" : "11101" },
  "name" : "Di Luvio'S Deli",
  "restaurant_id" : "40402284"
}
{
  "_id" : ObjectId("610782f48158e000de3db2d4"),
  "address" : { "building" : "21972199", "coord" : [ -78.589606, 42.8912372 ],
    "street" : "Broadway", "zipcode" : "10024" },
  "name" : "La Caridad 78",
  "restaurant_id" : "40568285"
}
{
  "_id" : ObjectId("610782f58158e000de3db9a6"),
  "address" : { "building" : "7981", "coord" : [ -84.9751215, 45.4713351 ],
    "street" : "Hoyt Street", "zipcode" : "11201" },
  "name" : "Bijan'S",
  "restaurant_id" : "40876618"
}
{
  "_id" : ObjectId("610782f58158e000de3db9bb"),
  "address" : { "building" : "0", "coord" : [ -88.0778799, 42.4154769 ],
    "street" : "& Grand Central", "zipcode" : "10017" },
  "name" : "Hyatt, Ny Central/Room Service",
  "restaurant_id" : "40879243"
}
{
  "_id" : ObjectId("610782f58158e000de3db9d1"),
  "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"
}
```

25)db.addresses.find().sort({"name":1})

```
C:\Windows\System32\cmd.exe - mongo
> db.addresses.find().sort({"name":1})
{
  "_id" : ObjectId("610782f48158e000de3dac37"),
  "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("610782f58158e000de3db771"),
  "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("610782f58158e000de3db9ab"),
  "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("610782f58158e000de3db7f3"),
  "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("610782f48158e000de3dafae"),
  "address" : {
    "building" : "29",
    "coord" : [ -73.86119219999999, 40.8338 ]
  }
}
```

26)db.addresses.find().sort({"name":-1})

```
C:\Windows\System32\cmd.exe - mongo
> db.addresses.find().sort({"name":-1})
{
  "_id" : ObjectId("610782f48158e000de3dac37"),
  "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("610782f58158e000de3db771"),
  "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("610782f58158e000de3db9ab"),
  "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("610782f58158e000de3db7f3"),
  "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("610782f48158e000de3dafae"),
  "address" : {
    "building" : "29",
    "coord" : [ -73.86119219999999, 40.8338 ]
  }
}
```

27) db.addresses.find().sort({"cuisine":1,"borough":-1,})

```
> db.addresses.find().sort({"cuisine":1,"borough": -1,})
{
  "_id" : ObjectId("610782f48158e000de3db263"),
  "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("610782f58158e000de3db38e"),
  "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("610782f58158e000de3db447"),
  "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("610782f58158e000de3db96a"),
  "address" : {
    "building" : "787",
    "coord" : [ -73.9880886, 40.7651331 ],
    "street" : "9 Avenue",
    "zipcode" : "10019",
    "borough" : "Manhattan",
    "cuisine" : "Afghan",
    "grades" : [
      {
        "date" : ISODate("2014-03-04T00:00:00Z"),
        "grade" : "A",
        "score" : 11
      },
      {
        "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" : "B",
        "score" : 20
      },
      {
        "date" : ISODate("2012-05-07T00:00:00Z"),
        "grade" : "A",
        "score" : 12
      }
    ],
    "name" : "Afghan Kebab House #2",
    "restaurant_id" : "40616799"
  }
}
```

28)db.addresses.find({"address.street":{\$exists : true}})

```
> db.addresses.find({"address.street":{$exists : true}})  
{ "_id" : ObjectId("610782f48158e000de3dab78"), "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("610782f48158e000de3dab79"), "address" : { "building" : "469", "coord" : [ -73.961704, 40.662942 ],  
"street" : "Flatbush Avenue", "zipcode" : "11225" }, "borough" : "Brooklyn", "cuisine" : "Hamburgers", "grades" : [ { "da  
te" : 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("610782f48158e000de3dab7a"), "address" : { "building" : "351", "coord" : [ -73.98513559999999, 40.767  
6919 ], "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" : ISO  
Date("2011-12-29T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Dj Reynolds Pub And Restaurant", "restau  
rant_id" : "30191841" }  
{ "_id" : ObjectId("610782f48158e000de3dab7b"), "address" : { "building" : "2780", "coord" : [ -73.98241999999999, 40.57  
9505 ], "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" : IS  
ODate("2011-10-12T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Riviera Caterer", "restaurant_id" : "40356018" }  
{ "_id" : ObjectId("610782f48158e000de3dab7c"), "address" : { "building" : "97-22", "coord" : [ -73.8601152, 40.7311739  
]
```

29)db.addresses.find({"address.coord":{\$type : 1}})

```
> db.addresses.find({"address.coord":{$type : 1}})  
{ "_id" : ObjectId("610782f48158e000de3dab78"), "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("610782f48158e000de3dab79"), "address" : { "building" : "469", "coord" : [ -73.961704, 40.662942 ],  
"street" : "Flatbush Avenue", "zipcode" : "11225" }, "borough" : "Brooklyn", "cuisine" : "Hamburgers", "grades" : [ { "da  
te" : 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("610782f48158e000de3dab7a"), "address" : { "building" : "351", "coord" : [ -73.98513559999999, 40.767  
6919 ], "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" : ISO  
Date("2011-12-29T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Dj Reynolds Pub And Restaurant", "restau  
rant_id" : "30191841" }  
{ "_id" : ObjectId("610782f48158e000de3dab7b"), "address" : { "building" : "2780", "coord" : [ -73.98241999999999, 40.57  
9505 ], "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" : IS  
ODate("2011-10-12T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Riviera Caterer", "restaurant_id" : "40356018" }  
}
```

30)db.addresses.find({"grades.score":{\$mod:[7,0]}, {"restaurant_id":1, "name":1, "grades":1}})

```
> db.addresses.find({"grades.score":{$mod:[7,0]}}, {"restaurant_id":1, "name":1, "grades":1})  
{ "_id" : ObjectId("610782f48158e000de3dab78"), "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("2013-01-24T  
00:00:00Z"), "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", "restau  
rant_id" : "30075445" }  
{ "_id" : ObjectId("610782f48158e000de3dab7b"), "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("2012-04-13T  
00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-10-12T00:00:00Z"), "grade" : "A", "score" : 12 } ],  
"name" : "Riviera Caterer", "restaurant_id" : "40356018" }  
{ "_id" : ObjectId("610782f48158e000de3dab7d"), "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("2013-03-0  
2T00:00:00Z"), "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("610782f48158e000de3dab84"), "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("2013-04-02  
T00:00:00Z"), "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", "restau  
rant_id" : "40358429" }  
{ "_id" : ObjectId("610782f48158e000de3dab85"), "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("2012-04-30T  
00:00:00Z"), "grade" : "A", "score" : 6 }, { "date" : ISODate("2011-12-27T00:00:00Z"), "grade" : "A", "score" : 0 } ],  
"name" : "1 East 66Th Street Kitchen", "restaurant_id" : "40359480" }
```

```
31)db.addresses.find({ name :{ $regex : "mon.*", $options: "i" } },{"name":1,"borough":1,"address.coord":1,"cuisine" :1})
```

```
> db.addresses.find({ name :{ $regex : "mon.*", $options: "i" } },{"name":1,"borough":1,"address.coord":1,"cuisine" :1})  
{ "_id" : ObjectId("610782f48158e000de3dac0c"), "address" : { "coord" : [ -73.98306099999999, 40.7441419 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Desmond'S Tavern" }  
{ "_id" : ObjectId("610782f48158e000de3dac15"), "address" : { "coord" : [ -73.8221418, 40.7272376 ] }, "borough" : "Queens", "cuisine" : "Jewish/Kosher", "name" : "Shimons Kosher Pizza" }  
{ "_id" : ObjectId("610782f48158e000de3dac21"), "address" : { "coord" : [ -74.10465599999999, 40.58834 ] }, "borough" : "Staten Island", "cuisine" : "American ", "name" : "Richmond County Country Club" }  
{ "_id" : ObjectId("610782f48158e000de3dac4c"), "address" : { "coord" : [ -73.9812843, 40.5947365 ] }, "borough" : "Brooklyn", "cuisine" : "Pizza/Italian", "name" : "Lb Spumoni Gardens" }  
{ "_id" : ObjectId("610782f48158e000de3dac9e"), "address" : { "coord" : [ -73.951199, 40.7166026 ] }, "borough" : "Brooklyn", "cuisine" : "Italian", "name" : "Bamonte'S Restaurant" }  
{ "_id" : ObjectId("610782f48158e000de3dacd5"), "address" : { "coord" : [ -73.924072, 40.76108900000001 ] }, "borough" : "Queens", "cuisine" : "Greek", "name" : "Omonia Cafe" }  
{ "_id" : ObjectId("610782f48158e000de3dad25"), "address" : { "coord" : [ -74.0023353, 40.7333573 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Manhattan Monster" }  
{ "_id" : ObjectId("610782f48158e000de3dad52"), "address" : { "coord" : [ -74.001094, 40.729583 ] }, "borough" : "Manhattan", "cuisine" : "Italian", "name" : "Monte'S" }  
{ "_id" : ObjectId("610782f48158e000de3dad58"), "address" : { "coord" : [ -73.9901605, 40.7526176 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Mad River Bar & Grille" }
```

```
32)db.addresses.find({ name : { $regex : /^Mad/i, } },{"name":1,"borough":1,"address.coord":1,"cuisine" :1})
```

```
> db.addresses.find({ name : { $regex : /^Mad/i, } },{"name":1,"borough":1,"address.coord":1,"cuisine" :1})  
{ "_id" : ObjectId("610782f48158e000de3db0b4"), "address" : { "coord" : [ -73.9860597, 40.7431194 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Madison Square" }  
{ "_id" : ObjectId("610782f48158e000de3db182"), "address" : { "coord" : [ -73.98302199999999, 40.742313 ] }, "borough" : "Manhattan", "cuisine" : "Indian", "name" : "Madras Mahal" }  
{ "_id" : ObjectId("610782f58158e000de3db430"), "address" : { "coord" : [ -74.000002, 40.72735 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Madame X" }  
{ "_id" : ObjectId("610782f58158e000de3db4e0"), "address" : { "coord" : [ -73.98171959999999, 40.7499406 ] }, "borough" : "Manhattan", "cuisine" : "French", "name" : "Madison Bistro" }  
{ "_id" : ObjectId("610782f58158e000de3db569"), "address" : { "coord" : [ -73.9717845, 40.6897199 ] }, "borough" : "Brooklyn", "cuisine" : "African", "name" : "Madiba" }  
{ "_id" : ObjectId("610782f58158e000de3db86e"), "address" : { "coord" : [ -73.9040753, 40.9069011 ] }, "borough" : "Bronx", "cuisine" : "Italian", "name" : "Madison'S" }  
{ "_id" : ObjectId("610782f58158e000de3db8ec"), "address" : { "coord" : [ -73.9886598, 40.7565811 ] }, "borough" : "Manhattan", "cuisine" : "Hotdogs", "name" : "Madame Tussaud'S" }  
{ "_id" : ObjectId("610782f58158e000de3db924"), "address" : { "coord" : [ -73.95623719999999, 40.7761697 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Mad River Bar & Grille" }  
>
```