

MongoDB Assignment 3

1)

```
Command Prompt - mongo
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
...
> show dbs
admin          0.000GB
config         0.000GB
local          0.000GB
mongo_practice 0.000GB
population     0.002GB
restaurants    0.001GB
test           0.000GB
users          0.000GB
> use restaurants
switched to db restaurants
> show collections
addresses
> db.addresses.find()
{
  "_id": ObjectId("6108c69aa04d1ad531b8584c"),
  "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
    }
  ],
  "name": "Morris Park Bake Shop",
  "restaurant_id": "30075445"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b8584d"),
  "address": {
    "building": "97-22",
    "coord": [-73.8601152, 40.7311739],
    "street": "63 Road",
    "zipcode": "11374",
    "borough": "Queens",
    "cuisine": "Jewish/Kosher"
  },
  "grades": [
    {
      "date": ISODate("2014-11-11T00:00:00Z"),
      "grade": "B",
      "score": 20
    },
    {
      "date": ISODate("2013-01-01T00:00:00Z"),
      "grade": "B",
      "score": 25
    }
  ],
  "name": "Tov Kosher Kitchen",
  "restaurant_id": "40356068"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b8584e"),
  "address": {
    "building": "77-1",
    "coord": [-73.651704, 40.662942],
    "street": "Kingsbridge Plaza",
    "zipcode": "11225",
    "borough": "Brooklyn",
    "cuisine": "Hamburgers"
  },
  "grades": [
    {
      "date": ISODate("2014-12-30T00:00:00Z"),
      "grade": "A",
      "score": 13
    },
    {
      "date": ISODate("2012-05-08T00:00:00Z"),
      "grade": "A",
      "score": 13
    }
  ],
  "name": "Wendy's",
  "restaurant_id": "30112340"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b8584f"),
  "address": {
    "building": "6409",
    "coord": [-73.856077, 40.628886],
    "street": "11 Avenue",
    "zipcode": "11219",
    "borough": "Brooklyn",
    "cuisine": "American"
  },
  "grades": [
    {
      "date": ISODate("2013-07-30T00:00:00Z"),
      "grade": "A",
      "score": 12
    },
    {
      "date": ISODate("2013-02-13T00:00:00Z"),
      "grade": "A",
      "score": 11
    }
  ],
  "name": "Regina Cateters",
  "restaurant_id": "40356640"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b8584g"),
  "address": {
    "building": "8825",
    "coord": [-73.8883827, 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
    }
  ],
  "name": "Bruno On The Boulevard",
  "restaurant_id": "40356151"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85851"),
  "address": {
    "building": "1839",
    "coord": [-73.9482699, 40.6488271],
    "street": "Nostrand Avenue",
    "zipcode": "11226",
    "borough": "Brooklyn",
    "cuisine": "Ice Cream, Gelato, Yogurt, Ices"
  },
  "grades": [
    {
      "date": ISODate("2014-07-01T00:00:00Z"),
      "grade": "A",
      "score": 8
    }
  ],
  "name": "The Recipe For Success",
  "restaurant_id": "40356731"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85852"),
  "address": {
    "building": "7715",
    "coord": [-73.997332, 40.61748899999999],
    "street": "18 Avenue",
    "zipcode": "11214",
    "borough": "Brooklyn",
    "cuisine": "American"
  },
  "grades": [
    {
      "date": ISODate("2014-04-16T00:00:00Z"),
      "grade": "A",
      "score": 5
    },
    {
      "date": ISODate("2014-12-16T00:00:00Z"),
      "grade": "A",
      "score": 2
    }
  ],
  "name": "C & Catering Service",
  "restaurant_id": "40357437"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85853"),
  "address": {
    "building": "2300",
    "coord": [-73.8786113, 40.8582883],
    "street": "Southern Boulevard",
    "zipcode": "10460",
    "borough": "Bronx",
    "cuisine": "American"
  },
  "grades": [
    {
      "date": ISODate("2014-05-28T00:00:00Z"),
      "grade": "A",
      "score": 11
    }
  ],
  "name": "Wild Asia",
  "restaurant_id": "40357217"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85854"),
  "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
    }
  ],
  "name": "Riviera Caterer",
  "restaurant_id": "40356018"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85855"),
  "address": {
    "building": "1269",
    "coord": [-73.871194, 40.6730975],
    "street": "Sutter Avenue",
    "zipcode": "11208",
    "borough": "Brooklyn",
    "cuisine": "Chinese"
  },
  "grades": [
    {
      "date": ISODate("2014-09-08T00:00:00Z"),
      "grade": "B",
      "score": 21
    }
  ],
  "name": "May May Kitchen",
  "restaurant_id": "40358429"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85856"),
  "address": {
    "building": "1",
    "coord": [-73.96926999999999, 40.7685235],
    "street": "East 66 Street",
    "zipcode": "10065",
    "borough": "Manhattan",
    "cuisine": "American"
  }
}
```

2)

```
Command Prompt - mongo
> db.addresses.find({ "restaurant_id": 1, "name": 1, "borough": 1, "cuisine": 1 })
{
  "_id": ObjectId("6108c69aa04d1ad531b8584c"),
  "borough": "Bronx",
  "cuisine": "Bakery",
  "name": "Morris Park Bake Shop",
  "restaurant_id": "30075454"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b8584d"),
  "borough": "Queens",
  "cuisine": "Jewish/Kosher",
  "name": "Tov Kosher Kitchen",
  "restaurant_id": "40356068"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b8584e"),
  "borough": "Brooklyn",
  "cuisine": "Hamburgers",
  "name": "Wendy's",
  "restaurant_id": "30112340"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b8584f"),
  "borough": "Brooklyn",
  "cuisine": "American",
  "name": "Regina Caters",
  "restaurant_id": "40356649"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85851"),
  "borough": "Brooklyn",
  "cuisine": "Ice Cream, Gelato, Yogurt, Ices",
  "name": "Brunos On The Boulevard",
  "restaurant_id": "40356151"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85852"),
  "borough": "Brooklyn",
  "cuisine": "American",
  "name": "Taste Theatrics Ice Cream",
  "restaurant_id": "40356731"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85853"),
  "borough": "Bronx",
  "cuisine": "American",
  "name": "Wild Asia",
  "restaurant_id": "40357217"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85854"),
  "borough": "Brooklyn",
  "cuisine": "American",
  "name": "Riviera Caterer",
  "restaurant_id": "40356018"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85855"),
  "borough": "Brooklyn",
  "cuisine": "Chinese",
  "name": "May May Kitchen",
  "restaurant_id": "40358429"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85856"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "I East 66th Street Kitchen",
  "restaurant_id": "40359480"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85857"),
  "borough": "Manhattan",
  "cuisine": "Irish",
  "name": "Dj Reynolds Pub And Restaurant",
  "restaurant_id": "30191841"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85858"),
  "borough": "Queens",
  "cuisine": "Ice Cream, Gelato, Yogurt, Ices",
  "name": "Carvel Ice Cream",
  "restaurant_id": "40361322"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85859"),
  "borough": "Brooklyn",
  "cuisine": "Ice Cream, Gelato, Yogurt, Ices",
  "name": "Seuda Foods",
  "restaurant_id": "40360076"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b8585a"),
  "borough": "Brooklyn",
  "cuisine": "Delicatessen",
  "name": "Wilken's Fine Food",
  "restaurant_id": "40356483"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b8585b"),
  "borough": "Staten Island",
  "cuisine": "Jewish/Kosher",
  "name": "Kosher Island",
  "restaurant_id": "40356422"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b8585d"),
  "borough": "Brooklyn",
  "cuisine": "Delicatessen",
  "name": "Nordic Delicacies",
  "restaurant_id": "40361390"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b8585e"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "Glorious Food",
  "restaurant_id": "40361521"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b8585f"),
  "borough": "Brooklyn",
  "cuisine": "American",
  "name": "The Movable Feast",
  "restaurant_id": "40361606"
}
type "it" for more
```

3) and 4)

```
Command Prompt - mongo
uncaught exception: SyntaxError: expected expression, got ':'
@shell1:10>
> 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": "Queens", "cuisine": "Jewish/Kosher", "name": "Tov Kosher Kitchen", "restaurant_id": "40356068" },
  {"borough": "Brooklyn", "cuisine": "Hamburgers", "name": "Wendy's", "restaurant_id": "30112340" },
  {"borough": "Brooklyn", "cuisine": "American", "name": "Regina Caters", "restaurant_id": "40356649" },
  {"borough": "Queens", "cuisine": "American", "name": "Brunos On The Boulevard", "restaurant_id": "40356151" },
  {"borough": "Brooklyn", "cuisine": "Ice Cream, Gelato, Yogurt, Ices", "name": "Taste The Tropics Ice Cream", "restaurant_id": "40356731" },
  {"borough": "Brooklyn", "cuisine": "American", "name": "C & C Catering Service", "restaurant_id": "40357437" },
  {"borough": "Bronx", "cuisine": "American", "name": "Wild Asia", "restaurant_id": "40357217" },
  {"borough": "Brooklyn", "cuisine": "American", "name": "Riviera Caterer", "restaurant_id": "40356018" },
  {"borough": "Brooklyn", "cuisine": "Chinese", "name": "May May Kitchen", "restaurant_id": "40358429" },
  {"borough": "Manhattan", "cuisine": "American", "name": "1 East 60th Street Kitchen", "restaurant_id": "40359480" },
  {"borough": "Manhattan", "cuisine": "Irish", "name": "Dj Reynolds Pub And Restaurant", "restaurant_id": "30191841" },
  {"borough": "Queens", "cuisine": "Ice Cream, Gelato, Yogurt, Ices", "name": "Carvel Ice Cream", "restaurant_id": "40361322" },
  {"borough": "Brooklyn", "cuisine": "Ice Cream, Gelato, Yogurt, Ices", "name": "Carvel Ice Cream", "restaurant_id": "40360076" },
  {"borough": "Brooklyn", "cuisine": "Jewish/Kosher", "name": "Seuda Foods", "restaurant_id": "40360045" },
  {"borough": "Brooklyn", "cuisine": "Delicatessen", "name": "Wilken's Fine Food", "restaurant_id": "40356483" },
  {"borough": "Staten Island", "cuisine": "American", "name": "Kosher Island", "restaurant_id": "40356442" },
  {"borough": "Queens", "cuisine": "American", "name": "Murdic Delicacies", "restaurant_id": "40361390" },
  {"borough": "Manhattan", "cuisine": "Delicatessen", "name": "Glorious Food", "restaurant_id": "40361521" },
  {"borough": "Brooklyn", "cuisine": "American", "name": "The Movable Feast", "restaurant_id": "40361606" }
}
type "it" for more
> 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": "Queens", "cuisine": "Jewish/Kosher", "name": "Tov Kosher Kitchen", "restaurant_id": "40356068" },
  {"borough": "Brooklyn", "cuisine": "Hamburgers", "name": "Wendy'S", "restaurant_id": "30112340" },
  {"borough": "Brooklyn", "cuisine": "American", "name": "Regina Caters", "restaurant_id": "40356649" },
  {"borough": "Queens", "cuisine": "American", "name": "Brunos On The Boulevard", "restaurant_id": "40356151" },
  {"borough": "Brooklyn", "cuisine": "Ice Cream, Gelato, Yogurt, Ices", "name": "Taste The Tropics Ice Cream", "restaurant_id": "40356731" },
  {"borough": "Brooklyn", "cuisine": "American", "name": "C & C Catering Service", "restaurant_id": "40357437" },
  {"borough": "Bronx", "cuisine": "American", "name": "Wild Asia", "restaurant_id": "40357217" },
  {"borough": "Brooklyn", "cuisine": "American", "name": "Riviera Caterer", "restaurant_id": "40356018" },
  {"borough": "Brooklyn", "cuisine": "Chinese", "name": "May May Kitchen", "restaurant_id": "40358429" },
  {"borough": "Manhattan", "cuisine": "American", "name": "1 East 60th Street Kitchen", "restaurant_id": "40359480" },
  {"borough": "Manhattan", "cuisine": "Irish", "name": "Dj Reynolds Pub And Restaurant", "restaurant_id": "30191841" },
  {"borough": "Queens", "cuisine": "Ice Cream, Gelato, Yogurt, Ices", "name": "Carvel Ice Cream", "restaurant_id": "40361322" },
  {"borough": "Brooklyn", "cuisine": "Ice Cream, Gelato, Yogurt, Ices", "name": "Carvel Ice Cream", "restaurant_id": "40360076" },
  {"borough": "Brooklyn", "cuisine": "Jewish/Kosher", "name": "Seuda Foods", "restaurant_id": "40360045" },
  {"borough": "Brooklyn", "cuisine": "Delicatessen", "name": "Wilken'S Fine Food", "restaurant_id": "40356483" },
  {"borough": "Staten Island", "cuisine": "Jewish/Kosher", "name": "Kosher Island", "restaurant_id": "40356442" },
  {"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
```

Windows Taskbar showing Command Prompt window and system status.

5)

```
Command Prompt - mongo
type "it" for more
> db.addresses.find({"borough": "Bronx"}).limit(5);
[{"_id": ObjectId("6108c69aa4d1ad51b8584c"), "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("6108c69aa4d1ad51b85853"), "address": {"building": "2300", "coord": [-73.8786113, 40.8562883], "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("6108c69aa4d1ad51b85869"), "address": {"building": "1006", "coord": [-73.8458687000002, 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("6108c69aa4d1ad51b85864"), "address": {"building": "1236", "coord": [-73.8993654, 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("6108c69aa4d1ad51b85881"), "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" }
]
type "it" for more
```

Windows Taskbar showing Command Prompt window and system status.

6)

```
Command Prompt - mongo
> db.addresses.find("borough": "Bronx")
{
  "_id": ObjectId("6108c69aa4d1ad51b8584c"),
  "address": {
    "building": "1007",
    "coord": [-73.856077, 40.848447],
    "street": "Morris Park Ave",
    "zipcode": "10462",
    "borough": "Bronx",
    "cuisine": "Baker"
  },
  "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
    }
  ],
  "name": "Morris Park Bake Shop",
  "restaurant_id": "3007545"
},
{
  "_id": ObjectId("6108c69aa4d1ad51b85853"),
  "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("6108c69aa4d1ad51b85869"),
  "address": {
    "building": "1006",
    "coord": [-73.8485687000002, 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
    }
  ],
  "name": "Carvel Ice Cream",
  "restaurant_id": "4036093"
},
{
  "_id": ObjectId("6108c69aa4d1ad51b8586d"),
  "address": {
    "building": "1236",
    "coord": [-73.8893654, 40.8137617999999],
    "street": "238 Spofford Ave",
    "zipcode": "10464",
    "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"
    }
  ],
  "name": "Happy Garden",
  "restaurant_id": "40363289"
},
{
  "_id": ObjectId("6108c69aa4d1ad51b85881"),
  "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("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("6108c69aa4d1ad51b85888"),
  "address": {
    "building": "658",
    "coord": [-73.8136399999999, 40.8294110000001],
    "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
    },
    {
      "date": ISODate("2011-06-22T00:00:00Z"),
      "grade": "B"
    }
  ],
  "name": "Manhenn Club",
  "restaurant_id": "40364363"
},
{
  "_id": ObjectId("6108c69aa4d1ad51b8589e"),
  "address": {
    "building": "2222",
    "coord": [-73.849596, 40.8304811],
    "street": "Haviland Avenue",
    "zipcode": "10462",
    "borough": "Bronx",
    "cuisine": "American"
  },
  "grades": [
    {
      "date": ISODate("2014-12-18T00:00:00Z"),
      "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": 17
    }
  ],
  "name": "The New Starling Athletic Club Of The Bronx",
  "restaurant_id": "40364956"
},
{
  "_id": ObjectId("6108c69aa4d1ad51b858a5"),
  "address": {
    "building": "161",
    "coord": [-73.92506, 40.8275556],
    "street": "East 161 Street",
    "zipcode": "10451",
    "borough": "Bronx",
    "cuisine": "American"
  },
  "grades": [
    {
      "date": ISODate("2013-04-15T00:00:00Z"),
      "grade": "A",
      "score": 9
    },
    {
      "date": ISODate("2013-11-14T00:00:00Z"),
      "grade": "B",
      "score": 4
    },
    {
      "date": ISODate("2013-07-29T00:00:00Z"),
      "grade": "B",
      "score": 19
    }
  ],
  "name": "American Can"
},
{
  "_id": ObjectId("6108c69aa4d1ad51b858b"),
  "address": {
    "building": "311",
    "coord": [-73.8778653999999, 40.8724377],
    "street": "East 204 Street",
    "zipcode": "10467",
    "borough": "Bronx",
    "cuisine": "Irish"
  },
  "grades": [
    {
      "date": ISODate("2014-03-26T00:00:00Z"),
      "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
    }
  ],
  "name": "McDwyers Pub",
  "restaurant_id": "40365893"
},
{
  "_id": ObjectId("6108c69aa4d1ad51b858e3"),
  "address": {
    "building": "5820",
    "coord": [-73.9098265, 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": "C",
      "score": 37
    }
  ],
  "name": "The Punch Bowl",
  "restaurant_id": "40366497"
},
{
  "_id": ObjectId("6108c69aa4d1ad51b858f0"),
  "address": {
    "building": "21",
    "coord": [-73.9168244, 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
    }
  ],
  "name": "Munchtime",
  "restaurant_id": "40366748"
},
{
  "_id": ObjectId("6108c69aa4d1ad51b858f3"),
  "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("2013-05-16T00:00:00Z"),
      "grade": "A",
      "score": 9
    },
    {
      "date": ISODate("2013-10-30T00:00:00Z"),
      "grade": "B",
      "score": 24
    }
  ],
  "name": "Thao's",
  "restaurant_id": "40366833"
},
{
  "_id": ObjectId("6108c69aa4d1ad51b858f8"),
  "address": {
    "building": "1191",
    "coord": [-73.8513114, 40.8316981],
    "street": "Castle Hill Avenue",
    "zipcode": "10462",
    "borough": "Bronx",
    "cuisine": "Cafe/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
    }
  ],
  "name": "Lulu'S Coffee Shop",
  "restaurant_id": "40366938"
}

```

7)

```
Command Prompt - mongo
> db.addresses.find("borough": "Bronx").skip(5).limit(5)
{
  "_id": ObjectId("6108c69aa4d1ad51b85888"),
  "address": {
    "building": "658",
    "coord": [-73.8136399999999, 40.8294110000001],
    "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
    },
    {
      "date": ISODate("2011-06-22T00:00:00Z"),
      "grade": "B"
    }
  ],
  "name": "Manhenn Club",
  "restaurant_id": "40364363"
},
{
  "_id": ObjectId("6108c69aa4d1ad51b8589e"),
  "address": {
    "building": "2222",
    "coord": [-73.849596, 40.8304811],
    "street": "Haviland Avenue",
    "zipcode": "10462",
    "borough": "Bronx",
    "cuisine": "American"
  },
  "grades": [
    {
      "date": ISODate("2014-12-18T00:00:00Z"),
      "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": 17
    }
  ],
  "name": "The New Starling Athletic Club Of The Bronx",
  "restaurant_id": "40364956"
},
{
  "_id": ObjectId("6108c69aa4d1ad51b858ba"),
  "address": {
    "building": "72",
    "coord": [-73.92506, 40.8275556],
    "street": "East 161 Street",
    "zipcode": "10451",
    "borough": "Bronx",
    "cuisine": "American"
  },
  "grades": [
    {
      "date": ISODate("2013-04-15T00:00:00Z"),
      "grade": "A",
      "score": 9
    },
    {
      "date": ISODate("2013-11-14T00:00:00Z"),
      "grade": "B",
      "score": 4
    },
    {
      "date": ISODate("2013-07-29T00:00:00Z"),
      "grade": "B",
      "score": 19
    }
  ],
  "name": "American Can"
},
{
  "_id": ObjectId("6108c69aa4d1ad51b858b5"),
  "address": {
    "building": "311",
    "coord": [-73.8778653999999, 40.8724377],
    "street": "East 204 Street",
    "zipcode": "10467",
    "borough": "Bronx",
    "cuisine": "Irish"
  },
  "grades": [
    {
      "date": ISODate("2014-03-26T00:00:00Z"),
      "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
    }
  ],
  "name": "McDwyers Pub",
  "restaurant_id": "40365893"
},
{
  "_id": ObjectId("6108c69aa4d1ad51b858e3"),
  "address": {
    "building": "5820",
    "coord": [-73.9098265, 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": "C",
      "score": 35
    }
  ],
  "name": "The Punch Bowl",
  "restaurant_id": "40366497"
}

```

8)

```
Command Prompt - mongo
apo1", "restaurant_id" : "40393488" }
> db.addresses.find({grades : { $elemMatch:{score:$gt : 90}}})
{
  "_id" : ObjectId("6108c69aa04d1ad531b859ab"),
  "address" : { "building" : "65", "coord" : [ -73.9782725, 40.7624022 ], "street" : "West 54 Street", "zipcode" : "10019" },
  "borough" : "Manhattan", "cuisine" : "American", "grades" : [ { "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"
}
> db.addresses.find({grades : { $elemMatch:{score:$gt : 90}}})
{
  "_id" : ObjectId("6108c69aa04d1ad531b859ab"),
  "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("2011-10-19T00:00:00Z"), "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" : 11 } ],
  "name" : "The Punch Bowl", "restaurant_id" : "40366497"
}
{
  "_id" : ObjectId("6108c69aa04d1ad531b854a"),
  "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" : 13 } ],
  "name" : "Murals On 54/Randolph's S.", "restaurant_id" : "40372466"
}
{
  "_id" : ObjectId("6108c69aa04d1ad531b854a"),
  "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" : 13 } ],
  "name" : "Murals On 54/Randolph's S.", "restaurant_id" : "40372466"
}
{
  "_id" : ObjectId("6108c69aa04d1ad531b854a"),
  "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"
}
>
```

9)

```
Command Prompt - mongo
apo1", "restaurant_id" : "40393488" }
> db.addresses.find({grades : { $elemMatch:{score:$gt : 90}}})
{
  "_id" : ObjectId("6108c69aa04d1ad531b854a"),
  "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("6108c69aa04d1ad531b85bad"),
  "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("6108c69aa04d1ad531b85416"),
  "address" : { "building" : "", "coord" : [ -74.0163793, 40.7167671 ], "street" : "Hudson River", "zipcode" : "10282" },
  "borough" : "Manhattan", "cuisine" : "American", "grades" : [ { "date" : ISODate("2014-06-21T00:00:00Z"), "grade" : "C", "score" : 89 }, { "date" : ISODate("2013-06-06T00:00:00Z"), "grade" : "A", "score" : 6 } ],
  "name" : "West 79th Street Boat Basin Café", "restaurant_id" : "40756344"
}
>
```

10)

```
db.Command Prompt - mongo
> db.addresses.find({ "lat": -95.754168 })
{
  "_id": ObjectId("6108c69aa04d1ad531b5e94"),
  "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("2012-04-03T00:00:00Z"),
      "grade": "A",
      "score": 12
    },
    {
      "date": ISODate("2011-11-16T00:00:00Z"),
      "grade": "A",
      "score": 7
    }
  ],
  "name": "Burger King",
  "restaurant_id": "40534067"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b5e1fe"),
  "address": {
    "building": "15259",
    "coord": [-119.6368672, 36.2504096],
    "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": 11
    },
    {
      "date": ISODate("2012-04-20T00:00:00Z"),
      "grade": "A",
      "score": 7
    },
    {
      "date": ISODate("2011-11-23T00:00:00Z"),
      "grade": "A",
      "score": 10
    },
    {
      "date": ISODate("2012-09-27T00:00:00Z"),
      "grade": "A",
      "score": 10
    },
    {
      "date": ISODate("2012-04-20T00:00:00Z"),
      "grade": "C",
      "score": 34
    }
  ],
  "name": "Casciarino's",
  "restaurant_id": "40668681"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b86ac"),
  "address": {
    "building": "68",
    "coord": [-111.9975205, 42.0970258],
    "street": "West Side Highway",
    "zipcode": "10006",
    "borough": "Manhattan",
    "cuisine": "Japanese"
  },
  "grades": [
    {
      "date": ISODate("2014-03-26T00:00:00Z"),
      "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": "406882356"
}
>
```

11)

```
> Command Prompt - mongo

> db.addresses.find(
... {
...     $and: [
...         {"cuisine" : {$ne : "American"}},
...         {"grades.score" : {$gt : 70}},
...         {"address.coord" : {$lt : -65.754168}}
...     ]
... }
... )
{
    "_id": ObjectId("6108c69aa04d1ad531b58a4a"),
    "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": 9
        },
        {
            "date": ISODate("2014-01-14T00:00:00Z"),
            "grade": "A",
            "score": 8
        },
        {
            "date": ISODate("2013-05-30T00:00:00Z"),
            "grade": "A",
            "score": 9
        }
    ],
    "name": "The Indian",
    "restaurant_id": "48018295"
},
{
    "_id": ObjectId("6108c69aa04d1ad531b58b4d"),
    "address": {
        "building": "130",
        "coord": [-73.98488, 40.7457939]
    },
    "borough": "Manhattan",
    "cuisine": "Italian",
    "grades": [
        {
            "date": ISODate("2011-11-03T00:00:00Z"),
            "grade": "C",
            "score": 92
        },
        {
            "date": ISODate("2011-11-03T00:00:00Z"),
            "grade": "C",
            "score": 91
        },
        {
            "date": ISODate("2014-06-17T00:00:00Z"),
            "grade": "B",
            "score": 90
        }
    ],
    "name": "Madison Avenue",
    "restaurant_id": "100165"
},
{
    "_id": ObjectId("6108c69aa04d1ad531b58b4e"),
    "address": {
        "building": "130",
        "coord": [-73.98488, 40.7457939]
    },
    "borough": "Manhattan",
    "cuisine": "Italian",
    "grades": [
        {
            "date": ISODate("2014-12-24T00:00:00Z"),
            "grade": "Z",
            "score": 98
        },
        {
            "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("6108c69aa04d1ad531b58b4f"),
    "address": {
        "building": "101",
        "coord": [-73.9243061, 40.8276297]
    },
    "borough": "Bronx",
    "cuisine": "Latin",
    "grades": [
        {
            "date": ISODate("2014-04-10T00:00:00Z"),
            "grade": "A",
            "score": 10
        },
        {
            "date": ISODate("2013-10-01T00:00:00Z"),
            "grade": "A",
            "score": 10
        },
        {
            "date": ISODate("2012-05-25T00:00:00Z"),
            "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("2011-09-14T00:00:00Z"),
            "grade": "B",
            "score": 26
        }
    ],
    "name": "El Molino Rojo Restaurant",
    "restaurant_id": "40393688"
},
{
    "_id": ObjectId("6108c69aa04d1ad531b5d07"),
    "address": {
        "building": "289",
        "coord": [-73.94610279999999, 40.7137587]
    },
    "borough": "Brooklyn",
    "cuisine": "Italian",
    "grades": [
        {
            "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": "B",
            "score": 26
        },
        {
            "date": ISODate("2011-09-14T00:00:00Z"),
            "grade": "B",
            "score": 26
        }
    ],
    "name": "El Molino Rojo Restaurant",
    "restaurant_id": "40393688"
},
{
    "_id": ObjectId("6108c69aa04d1ad531b5d33"),
    "address": {
        "building": "231",
        "coord": [-73.9772294, 40.7527262]
    },
    "borough": "Manhattan",
    "cuisine": "Italian",
    "grades": [
        {
            "date": ISODate("2014-01-19T00:00:00Z"),
            "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": 11
        },
        {
            "date": ISODate("2012-09-11T00:00:00Z"),
            "grade": "B",
            "score": 18
        },
        {
            "date": ISODate("2012-04-18T00:00:00Z"),
            "grade": "A",
            "score": 9
        },
        {
            "date": ISODate("2012-04-18T00:00:00Z"),
            "grade": "A",
            "score": 9
        }
    ],
    "name": "Pietro's Italian Bistro & Bakery",
    "restaurant_id": "40400561"
},
{
    "_id": ObjectId("6108c69aa04d1ad531b6833"),
    "address": {
        "building": "231",
        "coord": [-73.9772294, 40.7527262]
    },
    "borough": "Manhattan",
    "cuisine": "Italian",
    "grades": [
        {
            "date": ISODate("2015-01-07T00:00:00Z"),
            "grade": "F",
            "score": 73
        },
        {
            "date": ISODate("2014-05-03T00:00:00Z"),
            "grade": "C",
            "score": 77
        },
        {
            "date": ISODate("2014-05-03T00:00:00Z"),
            "grade": "C",
            "score": 77
        },
        {
            "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": "B",
            "score": 20
        },
        {
            "date": ISODate("2012-04-26T00:00:00Z"),
            "grade": "A",
            "score": 12
        }
    ],
    "name": "Two Brothers Grand Central",
    "restaurant_id": "40725591"
}

```

12)

The image shows a Windows operating system desktop. In the center is a Microsoft Edge browser window displaying a command-line interface (CLI) for MongoDB. The CLI output is a JSON-like list of documents, each representing a restaurant. Each document includes fields such as 'name', 'address' (with 'street', 'city', 'state', and 'zip' sub-fields), 'grade', 'score', and 'cuisine'. The 'cuisine' field is particularly detailed, listing specific food types like 'American', 'Italian', 'Mexican', etc. The desktop taskbar at the bottom has icons for File Explorer, Task View, Edge, Mail, Photos, OneDrive, and others. The system tray in the bottom right corner shows the date (8/3/2021), time (10:30 AM), battery status, and network connection.

13)

```
Command Prompt: mongo

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

{ "_id" : ObjectId("6108c69ba4d1ad51b85f56"), "address" : { "building" : "89", "coord" : [ -73.999589, 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("2014-11-17T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Thai Son", "restaurant_id" : "40559609" }

{ "_id" : ObjectId("6108c69ba4d1ad51b8600f"), "address" : { "building" : "8278", "coord" : [ -73.88143599999999, 40.7412552 ], "street" : "Broadway", "zipcode" : "11373" }, "borough" : "Queens", "cuisine" : "Vietnamese/Cambodian/Malaysia", "grades" : [ { "date" : ISODate("2014-06-12T00:00:00Z"), "grade" : "B", "score" : 13 }, { "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" : "B", "score" : 5 } ], "name" : "Pho Bac Vietnamese Seafood Cuisine", "restaurant_id" : "40578058" }

{ "_id" : ObjectId("6108c69ba4d1ad51b86135"), "address" : { "building" : "148", "coord" : [ -74.000254, 40.7172772 ], "street" : "Centre Street", "zipcode" : "10013" }, "borough" : "Manhattan", "cuisine" : "Vietnamese/Cambodian/Malaysia", "grades" : [ { "date" : ISODate("2014-10-01T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2014-05-19T00:00:00Z"), "grade" : "C", "score" : 5 }, { "date" : ISODate("2013-11-15T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "The Vietnamese Restaurant", "restaurant_id" : "40572500" }

{ "_id" : ObjectId("6108c69ba4d1ad51b85fa"), "address" : { "building" : "300", "coord" : [ -73.851534, 40.7307496 ], "street" : "East 125th 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("2012-05-22T00:00:00Z"), "grade" : "B", "score" : 23 } ], "name" : "Angelic Kitchen", "restaurant_id" : "40388281" }

{ "_id" : ObjectId("6108c69ba4d1ad51b85ca"), "address" : { "building" : "1307", "coord" : [ -73.9588934, 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 } ], "name" : "ISO", "restaurant_id" : "40390907" }

{ "_id" : ObjectId("6108c69ba4d1ad51b85ea"), "address" : { "building" : "547", "coord" : [ -73.7292446, 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 } ], "name" : "Village Yogurt", "restaurant_id" : "40512123" }

{ "_id" : ObjectId("6108c69ba4d1ad51b85ec"), "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("2013-12-17T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-05-24T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Village Natural", "restaurant_id" : "40536786" }

{ "_id" : ObjectId("6108c69ba4d1ad51b85ed"), "address" : { "building" : "1009", "coord" : [ -73.856552, 40.7267567 ], "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("2013-03-26T00:00:00Z"), "grade" : "B", "score" : 18 } ], "name" : "Caravan Of Dreams", "restaurant_id" : "40657581" }

{ "_id" : ObjectId("6108c69ba4d1ad51b8617e"), "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("2012-11-20T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2011-10-03T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "Mama", "restaurant_id" : "40644922" }

{ "_id" : ObjectId("6108c69ba4d1ad51b8618"), "address" : { "building" : "140", "coord" : [ -74.000453, 40.7311593 ], "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 } ], "name" : "Red Bamboo", "restaurant_id" : "40861201" }

{ "_id" : ObjectId("6108c69ba4d1ad51b85867"), "address" : { "building" : "60", "coord" : [ -74.008535, 40.70605399999999 ], "street" : "Wall Street", "zipcode" : "10006" }, "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 } ], "name" : "Turkish Kitchen", "restaurant_id" : "40399372" }

{ "_id" : ObjectId("6108c69ba4d1ad51b85f55"), "address" : { "building" : "386", "coord" : [ -73.981366, 40.741621 ], "street" : "3 Avenue", "zipcode" : "10011" }, "borough" : "Manhattan", "cuisine" : "Turkish", "grades" : [ { "date" : ISODate("2014-09-20T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2013-09-19T00:00:00Z"), "grade" : "A", "score" : 9 }, { "date" : ISODate("2012-09-18T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "Pasha Turkish Restaurant", "restaurant_id" : "40559546" }

{ "_id" : ObjectId("6108c69ba4d1ad51b85fb5"), "address" : { "building" : "1405", "coord" : [ -73.95796530000001, 40.769758 ], "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 } ], "name" : "Uskudar", "restaurant_id" : "40500226" }
```

14)

```
Command Prompt - mongo
> db.addresses.find(
... {name: /Wil/},
...
{
... "restaurant_id" : 1,
... "name":1,"borough":1,
... "cuisine" :1
...
})
{
  "_id" : ObjectId("6108c69aa04d1ad531b85853"),
  "borough" : "Bronx",
  "cuisine" : "American",
  "name" : "Wild Asia",
  "restaurant_id" : "40357217"
}
{
  "_id" : ObjectId("6108c69aa04d1ad531b8585b"),
  "borough" : "Brooklyn",
  "cuisine" : "Delicatessen",
  "name" : "Wilken's Fine Food",
  "restaurant_id" : "40356483"
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b8665b"),
  "borough" : "Bronx",
  "cuisine" : "Pizza",
  "name" : "Wilbel Pizza",
  "restaurant_id" : "40871979"
}
>
```

15)

```
Command Prompt - mongo
> db.addresses.find(
... {name: /ces$/},
...
{
... "restaurant_id" : 1,
... "name":1,"borough":1,
... "cuisine" :1
...
})
{
  "_id" : ObjectId("6108c69ba04d1ad531b85ce1"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Pieces",
  "restaurant_id" : "40399910"
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b859e"),
  "borough" : "Queens",
  "cuisine" : "American",
  "name" : "S.M.R Restaurant Services",
  "restaurant_id" : "40403857"
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b85d1"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Good Shepherd Services",
  "restaurant_id" : "40403989"
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b86256"),
  "borough" : "Queens",
  "cuisine" : "Ice cream, Gelato, Yogurt, Ices",
  "name" : "The Ice Box-Ralph'S Famous Italian Ices",
  "restaurant_id" : "40690899"
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b86459"),
  "borough" : "Brooklyn",
  "cuisine" : "Jewish/Kosher",
  "name" : "Alices",
  "restaurant_id" : "40782042"
}
{
  "_id" : ObjectId("6108c09ba04d1ad531b86679"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Re: Sources",
  "restaurant_id" : "40870668"
}
```

16)

```
Command Prompt - mongo
> db.addresses.find(
... { "name": /.Reg./ },
... {
...   "restaurant_id": 1,
...   "name": 1, "borough": 1,
...   "cuisine": 1
... }
... )
{
  "_id": ObjectId("6108c69aa04d1ad531b8584f"),
  "borough": "Brooklyn",
  "cuisine": "American",
  "name": "Regina Caterers",
  "restaurant_id": "40356649"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b8594e"),
  "borough": "Manhattan",
  "cuisine": "Cafe/Coffee/Tea",
  "name": "Caffe Reggio",
  "restaurant_id": "40369418"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85a5d"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "Regency Hotel",
  "restaurant_id": "40382679"
}
{
  "_id": ObjectId("6108c69aa04d1ad531b85d7c"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "Regency Whist Club",
  "restaurant_id": "40402377"
}
{
  "_id": ObjectId("6108c69ba04d1ad531b85e5d"),
  "borough": "Queens",
  "cuisine": "American",
  "name": "Rego Park Cafe",
  "restaurant_id": "40523342"
}
{
  "_id": ObjectId("6108c69ba04d1ad531b864cf"),
  "borough": "Queens",
  "cuisine": "Pizza",
  "name": "Regina Pizza",
  "restaurant_id": "40801325"
}
{
  "_id": ObjectId("6108c69ba04d1ad531b866e3"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "Regal Entertainment Group",
  "restaurant_id": "40891782"
}
```



17)

```
Command Prompt - mongo
{
  "_id": ObjectId("6108c69ba04d1ad531b85853"),
  "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": 10
    }
  ],
  "name": "Regina Pizza",
  "restaurant_id": "40801325",
  "score": 15
},
{
  "_id": ObjectId("6108c69ba04d1ad531b8586d"),
  "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("2012-06-15T00:00:00Z"),
      "grade": "A",
      "score": 10
    }
  ],
  "name": "Rego Park Cafe",
  "restaurant_id": "40523342",
  "score": 15
},
{
  "_id": ObjectId("6108c69ba04d1ad531b85881"),
  "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("2013-03-10T00:00:00Z"),
      "grade": "A",
      "score": 13
    }
  ],
  "name": "Happy Garden",
  "restaurant_id": "40363289",
  "score": 13
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85881"),
  "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("2013-03-10T00:00:00Z"),
      "grade": "A",
      "score": 13
    }
  ],
  "name": "Happy Garden",
  "restaurant_id": "40363289",
  "score": 13
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85888"),
  "address": {
    "building": "658",
    "coord": [
      -73.81363999999999,
      40.82941100000001
    ],
    "street": "Clarence Ave",
    "zipcode": "10465"
  },
  "borough": "Bronx",
  "cuisine": "American",
  "grades": [
    {
      "date": ISODate("2012-07-11T00:00:00Z"),
      "grade": "A",
      "score": 10
    }
  ],
  "name": "Manhems Club",
  "restaurant_id": "40364363",
  "score": 10
},
{
  "_id": ObjectId("6108c69aa04d1ad531b8589c"),
  "address": {
    "building": "2222",
    "coord": [
      -73.84971799999999,
      40.8304811
    ],
    "street": "Haviland Avenue",
    "zipcode": "10462"
  },
  "borough": "Bronx",
  "cuisine": "American",
  "grades": [
    {
      "date": ISODate("2014-12-19T00:00:00Z"),
      "grade": "A",
      "score": 10
    },
    {
      "date": ISODate("2014-05-11T00:00:00Z"),
      "grade": "B",
      "score": 17
    },
    {
      "date": ISODate("2013-03-14T00:00:00Z"),
      "grade": "A",
      "score": 12
    }
  ],
  "name": "Rego Park Cafe",
  "restaurant_id": "40364456",
  "score": 12
},
{
  "_id": ObjectId("6108c69aa04d1ad531b858a0"),
  "address": {
    "building": "72",
    "coord": [
      -73.92506,
      40.872556
    ],
    "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
    }
  ],
  "name": "The New Standard Dining & Lounge",
  "restaurant_id": "40364459",
  "score": 10
},
{
  "_id": ObjectId("6108c69aa04d1ad531b858a3"),
  "address": {
    "building": "5820",
    "coord": [
      -73.9082615,
      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": 10
    }
  ],
  "name": "Yankee Tavern",
  "restaurant_id": "40364499",
  "score": 10
},
{
  "_id": ObjectId("6108c69aa04d1ad531b858a6"),
  "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("2013-08-29T00:00:00Z"),
      "grade": "A",
      "score": 12
    },
    {
      "date": ISODate("2012-08-29T00:00:00Z"),
      "grade": "A",
      "score": 10
    }
  ],
  "name": "The Punch Bowl",
  "restaurant_id": "40366497",
  "score": 12
},
{
  "_id": ObjectId("6108c69aa04d1ad531b858a9"),
  "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("2013-08-29T00:00:00Z"),
      "grade": "A",
      "score": 12
    },
    {
      "date": ISODate("2012-08-29T00:00:00Z"),
      "grade": "A",
      "score": 10
    }
  ],
  "name": "The Punch Bowl",
  "restaurant_id": "40366497",
  "score": 12
},
{
  "_id": ObjectId("6108c69aa04d1ad531b858fa"),
  "address": {
    "building": "2941",
    "coord": [
      -73.813764,
      40.8137640
    ],
    "street": "Schurz Ave",
    "zipcode": "10465"
  },
  "borough": "Bronx",
  "cuisine": "American",
  "grades": [
    {
      "date": ISODate("2014-07-02T00:00:00Z"),
      "grade": "A",
      "score": 4
    },
    {
      "date": ISODate("2013-06-07T00:00:00Z"),
      "grade": "A",
      "score": 4
    }
  ],
  "name": "Rego Park Cafe",
  "restaurant_id": "40367161",
  "score": 4
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85923"),
  "address": {
    "building": "2300",
    "coord": [
      -73.8786113,
      40.8502883
    ],
    "street": "Southern Boulevard",
    "zipcode": "10460"
  },
  "borough": "Bronx",
  "cuisine": "American",
  "grades": [
    {
      "date": ISODate("2014-06-08T00:00:00Z"),
      "grade": "A",
      "score": 11
    },
    {
      "date": ISODate("2013-05-27T00:00:00Z"),
      "grade": "A",
      "score": 11
    }
  ],
  "name": "Cool Zone",
  "restaurant_id": "40368022"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85924"),
  "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
    }
  ],
  "name": "Beaver Pond",
  "restaurant_id": "40368025"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85925"),
  "address": {
    "building": "2300",
    "coord": [
      -73.8786113,
      40.8502883
    ],
    "street": "Southern Boulevard",
    "zipcode": "10460"
  },
  "borough": "Bronx",
  "cuisine": "American",
  "grades": [
    {
      "date": ISODate("2014-06-08T00:00:00Z"),
      "grade": "A",
      "score": 0
    }
  ],
  "name": "Rego Park Cafe",
  "restaurant_id": "40368025"
},
```



18)

```
 Command Prompt - mongo
> db.addresses.find(
... {"borough": {$in :["Staten Island","Queens","Bronx","Brooklyn"]}},
... {
... "restaurant_id" : 1,
... "name":1,"borough":1,
... "cuisine" :1
... },
... )
{
  "_id" : ObjectId("5108c69aa04d1ad531b8584c"),
  "borough" : "Bronx",
  "cuisine" : "Bakery",
  "name" : "Morris Park Bake Shop",
  "restaurant_id" : "30075445"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b8584d"),
  "borough" : "Queens",
  "cuisine" : "Jewish/Kosher",
  "name" : "Tov Kosher Kitchen",
  "restaurant_id" : "40356068"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b8584e"),
  "borough" : "Brooklyn",
  "cuisine" : "Hamburgers",
  "name" : "Mwendy'S",
  "restaurant_id" : "30112340"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b8584f"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "Regina Caterers",
  "restaurant_id" : "40356649"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85850"),
  "borough" : "Queens",
  "cuisine" : "American",
  "name" : "Brunos On The Boulevard",
  "restaurant_id" : "40356151"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85851"),
  "borough" : "Brooklyn",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "name" : "Taste The Tropics Ice Cream",
  "restaurant_id" : "40356731"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85852"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "TC & C Catering Service",
  "restaurant_id" : "40357437"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85853"),
  "borough" : "Bronx",
  "cuisine" : "American",
  "name" : "Wild Asia",
  "restaurant_id" : "40357217"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85854"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "Riviera Caterer",
  "restaurant_id" : "40356018"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85855"),
  "borough" : "Brooklyn",
  "cuisine" : "Chinese",
  "name" : "May May Kitchen",
  "restaurant_id" : "40358429"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85856"),
  "borough" : "Queens",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "name" : "Carvel Ice Cream",
  "restaurant_id" : "40361322"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85857"),
  "borough" : "Bronx",
  "cuisine" : "Ice Cream, Gelato, Yogurt, Ices",
  "name" : "Carvel Ice Cream",
  "restaurant_id" : "40360076"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85858"),
  "borough" : "Bronx",
  "cuisine" : "Jewish/Kosher",
  "name" : "Seuda Food",
  "restaurant_id" : "40360045"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85859"),
  "borough" : "Brooklyn",
  "cuisine" : "Delicatessen",
  "name" : "Milken'S Fine Foods",
  "restaurant_id" : "40356483"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b8585c"),
  "borough" : "Staten Island",
  "cuisine" : "Jewish/Kosher",
  "name" : "Kosher Island",
  "restaurant_id" : "40356442"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b8585d"),
  "borough" : "Brooklyn",
  "cuisine" : "Delicatessen",
  "name" : "Mordic Delicacies",
  "restaurant_id" : "40361390"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b8585f"),
  "borough" : "Brooklyn",
  "cuisine" : "American",
  "name" : "The Movable Feast",
  "restaurant_id" : "40361606"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85861"),
  "borough" : "Queens",
  "cuisine" : "Delicatessen",
  "name" : "Sal'S Deli",
  "restaurant_id" : "40361618"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85862"),
  "borough" : "Queens",
  "cuisine" : "Delicatessen",
  "name" : "Steve Chu'S Deli & Grocery",
  "restaurant_id" : "40361998"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85866"),
  "borough" : "Brooklyn",
  "cuisine" : "Hamburgers",
  "name" : "White Castle",
  "restaurant_id" : "40362344"
}
Type "it" for more
```

Type here to search

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```
 Command Prompt - mongo
> db.addresses.find({ "borough":{$in :["Staten Island","Queens","Brooklyn"]}}, { "restaurant_id" : 1, "name":1,"borough":1, "cuisine" :1 });
{
  "_id" : ObjectId("5108c69aa04d1ad531b85856"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "I East 66th Street Kitchen",
  "restaurant_id" : "40359480"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85857"),
  "borough" : "Manhattan",
  "cuisine" : "Irish",
  "name" : "Dj Reynolds Pub And Restaurant",
  "restaurant_id" : "30191841"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85858"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Glorious Food",
  "restaurant_id" : "40361521"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85860"),
  "borough" : "Manhattan",
  "cuisine" : "Delicatessen",
  "name" : "Bully'S Deli",
  "restaurant_id" : "40361708"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85862"),
  "borough" : "Manhattan",
  "cuisine" : "Chicken",
  "name" : "Harriet'S Kitchen",
  "restaurant_id" : "40362098"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85864"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "P & S Deli Grocery",
  "restaurant_id" : "40362264"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85865"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Angelika Film Center",
  "restaurant_id" : "40362274"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85867"),
  "borough" : "Manhattan",
  "cuisine" : "Turkish",
  "name" : "The Country Cafe",
  "restaurant_id" : "40362715"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85868"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Downtown Deli",
  "restaurant_id" : "40363021"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b8586f"),
  "borough" : "Manhattan",
  "cuisine" : "Bakery",
  "name" : "Olive'S",
  "restaurant_id" : "40363151"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85870"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Cafe Metro",
  "restaurant_id" : "40363298"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85872"),
  "borough" : "Manhattan",
  "cuisine" : "Sandwiches/Salads/Smooth Buffet",
  "name" : "Lexler Deli",
  "restaurant_id" : "40363426"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85873"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "L'Amore Italiano & Maria'S",
  "restaurant_id" : "40363630"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85875"),
  "borough" : "Manhattan",
  "cuisine" : "Pizza",
  "name" : "Domino'S Pizza",
  "restaurant_id" : "40363644"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85876"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Berkely",
  "restaurant_id" : "40363685"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85878"),
  "borough" : "Manhattan",
  "cuisine" : "Pizza",
  "name" : "Domino'S Pizza",
  "restaurant_id" : "40363945"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b8587d"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Spoon Bread Catering",
  "restaurant_id" : "40364179"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85884"),
  "borough" : "Manhattan",
  "cuisine" : "Chicken",
  "name" : "Texas Rotisserie",
  "restaurant_id" : "40364304"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85886"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "21 Club",
  "restaurant_id" : "40364362"
}
{
  "_id" : ObjectId("5108c69aa04d1ad531b85887"),
  "borough" : "Manhattan",
  "cuisine" : "American",
  "name" : "Metropolitan Club",
  "restaurant_id" : "40364347"
}
Type "it" for more
```

Type here to search

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20)

```
Command Prompt - mongo
> db.addresses.find(
... { "grades.score" :
... { $not :
... { $gt : 10
... }
...
... },
...
... "restaurant_id" : 1,
... "name":1,"borough":1,
... "cuisine":1
...
... })
{
  "_id": ObjectId("6108c69aa04d1ad531b85856"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "Angelika Film Center",
  "restaurant_id": "40362274"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85867"),
  "borough": "Manhattan",
  "cuisine": "Turkish",
  "name": "The Country Cafe",
  "restaurant_id": "4036215"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85868"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "Downtown Deli",
  "restaurant_id": "40363021"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85867"),
  "borough": "Manhattan",
  "cuisine": "Bakery",
  "name": "Olive's",
  "restaurant_id": "40363151"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85870"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "Cafe Metro",
  "restaurant_id": "40363298"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85872"),
  "borough": "Manhattan",
  "cuisine": "Sandwiches/Salads/Mixed Buffet",
  "name": "Lexer Deli",
  "restaurant_id": "40363426"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85874"),
  "borough": "Manhattan",
  "cuisine": "Continental",
  "name": "Lorenzo & Maria's",
  "restaurant_id": "40363630"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85875"),
  "borough": "Manhattan",
  "cuisine": "Pizza",
  "name": "Domino's Pizza",
  "restaurant_id": "40363644"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85876"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "Berkeley",
  "restaurant_id": "40363685"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85878"),
  "borough": "Manhattan",
  "cuisine": "Pizza",
  "name": "Domino's Pizza",
  "restaurant_id": "40363945"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85879"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "Spoon Bread Catering",
  "restaurant_id": "40364179"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85884"),
  "borough": "Manhattan",
  "cuisine": "Chicken",
  "name": "Texas Rotisserie",
  "restaurant_id": "40364804"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85886"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "21 Club",
  "restaurant_id": "40364362"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85887"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "Metropolitain Club",
  "restaurant_id": "40364347"
}
Type "it" for more

> db.addresses.find(
... { "grades.score" :
... { $not :
... { $gt : 10
... }
...
... },
...
... "restaurant_id" : 1,
... "name":1,"borough":1,
... "cuisine":1
...
... })
{
  "_id": ObjectId("6108c69aa04d1ad531b85852"),
  "borough": "Brooklyn",
  "cuisine": "American",
  "name": "C & C Catering Service",
  "restaurant_id": "40357437"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85856"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "1 East 66th Street Kitchen",
  "restaurant_id": "40359480"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85851"),
  "borough": "Brooklyn",
  "cuisine": "Delicatessen",
  "name": "Nordic Delicacies",
  "restaurant_id": "40361390"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85866"),
  "borough": "Brooklyn",
  "cuisine": "Hamburgers",
  "name": "White Castle",
  "restaurant_id": "40362344"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85877"),
  "borough": "Brooklyn",
  "cuisine": "American",
  "name": "Sonny's Heroes",
  "restaurant_id": "40363744"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85886"),
  "borough": "Bronx",
  "cuisine": "American",
  "name": "Manhem Club",
  "restaurant_id": "40364363"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85894"),
  "borough": "Staten Island",
  "cuisine": "American",
  "name": "Great Kills Yacht Club",
  "restaurant_id": "40364610"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85898"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "Serendipity 3",
  "restaurant_id": "40364863"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85880"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "White Horse Tavern",
  "restaurant_id": "40364958"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85884"),
  "borough": "Manhattan",
  "cuisine": "Irish",
  "name": "Dorian's Red Hand Restaurant",
  "restaurant_id": "40365239"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85878"),
  "borough": "Manhattan",
  "cuisine": "Mexican",
  "name": "Mexico Lindo Restaurant",
  "restaurant_id": "40367038"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85925"),
  "borough": "Brooklyn",
  "cuisine": "Greek",
  "name": "El Greco's",
  "restaurant_id": "40367795"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85920"),
  "borough": "Bronx",
  "cuisine": "African",
  "name": "Africa Terrace",
  "restaurant_id": "40368021"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85922"),
  "borough": "Bronx",
  "cuisine": "Cafe/Coffee/Tea",
  "name": "Terrace Cafe",
  "restaurant_id": "40368018"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85925"),
  "borough": "Bronx",
  "cuisine": "American",
  "name": "African Market (Baboon Cafe)",
  "restaurant_id": "40368026"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85926"),
  "borough": "Staten Island",
  "cuisine": "Italian",
  "name": "Roadhouse Restaurant",
  "restaurant_id": "40368034"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85925"),
  "borough": "Bronx",
  "cuisine": "Not Listed/Not Applicable",
  "name": "The Lark's Nest",
  "restaurant_id": "40367946"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85948"),
  "borough": "Manhattan",
  "cuisine": "French",
  "name": "Pergola Des Artistes",
  "restaurant_id": "40369139"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85950"),
  "borough": "Brooklyn",
  "cuisine": "Hamburgers",
  "name": "McDonald's",
  "restaurant_id": "40369535"
},
{
  "_id": ObjectId("6108c69aa04d1ad531b85950"),
  "borough": "Brooklyn",
  "cuisine": "American",
  "name": "The River Cafe",
  "restaurant_id": "40369688"
}
Type "it" for more
```

21)

```
db.Command Prompt - mongo
> db.addresses.find(
... { $or: [
... { name: /Wil/ },
... { $and: [
... { "cuisine": { $ne: "American" } },
... { "cuisine": { $ne: "Chinese" } }
... ] })
... ,{"restaurant_id": 1,"name":1,"borough":1,"cuisine": 1}
...
{
  "_id": ObjectId("6108c69aa0441ad531b8584c"),
  "borough": "Bronx",
  "cuisine": "Bakery",
  "name": "Morris Park Bake Shop",
  "restaurant_id": "30075445"
},
{
  "_id": ObjectId("6108c69aa0441ad531b8584d"),
  "borough": "Queens",
  "cuisine": "Jewish/Kosher",
  "name": "Tov Kosher Kitchen",
  "restaurant_id": "40356608"
},
{
  "_id": ObjectId("6108c69aa0441ad531b8584e"),
  "borough": "Brooklyn",
  "cuisine": "Hamburgers",
  "name": "Wendy's",
  "restaurant_id": "30112340"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85851"),
  "borough": "Brooklyn",
  "cuisine": "Ice Cream, Gelato, Yogurt, Ices",
  "name": "Taste The Tropics Ice Cream",
  "restaurant_id": "40356731"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85853"),
  "borough": "Bronx",
  "cuisine": "American",
  "name": "Wild Asia",
  "restaurant_id": "40357217"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85854"),
  "borough": "Brooklyn",
  "cuisine": "American",
  "name": "Wild Asia",
  "restaurant_id": "40357217"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85857"),
  "borough": "Manhattan",
  "cuisine": "American",
  "name": "The Royal Kitchen Restaurant",
  "restaurant_id": "40358420"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85857"),
  "borough": "Manhattan",
  "cuisine": "Irish",
  "name": "Djinni Irish Pub & Restaurant",
  "restaurant_id": "30191841"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85858"),
  "borough": "Queens",
  "cuisine": "Ice Cream, Gelato, Yogurt, Ices",
  "name": "Carvel Ice Cream",
  "restaurant_id": "40361322"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85858"),
  "borough": "Brooklyn",
  "cuisine": "Jewish/Kosher",
  "name": "Seuda Foods",
  "restaurant_id": "40360045"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85858"),
  "borough": "Brooklyn",
  "cuisine": "Ice Cream, Gelato, Yogurt, Ices",
  "name": "Carvel Ice Cream",
  "restaurant_id": "40360076"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85858"),
  "borough": "Staten Island",
  "cuisine": "Jewish/Kosher",
  "name": "Kosher Island",
  "restaurant_id": "40356442"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85858"),
  "borough": "Brooklyn",
  "cuisine": "Delicatessen",
  "name": "Nordic Delicacies",
  "restaurant_id": "40361390"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85860"),
  "borough": "Manhattan",
  "cuisine": "Delicatessen",
  "name": "Bully's Deli",
  "restaurant_id": "40361708"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85861"),
  "borough": "Queens",
  "cuisine": "Delicatessen",
  "name": "Wilken's Fine Food",
  "restaurant_id": "40356483"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85862"),
  "borough": "Queens",
  "cuisine": "Delicatessen",
  "name": "Steve Chu's Deli & Grocery",
  "restaurant_id": "40361998"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85863"),
  "borough": "Manhattan",
  "cuisine": "Chicken",
  "name": "Harriet's Kitchen",
  "restaurant_id": "40362098"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85864"),
  "borough": "Brooklyn",
  "cuisine": "Hamburgers",
  "name": "White Castle",
  "restaurant_id": "40362344"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85867"),
  "borough": "Manhattan",
  "cuisine": "Turkish",
  "name": "The Country Cafe",
  "restaurant_id": "40362715"
},
{
  "_id": ObjectId("6108c69aa0441ad531b85868"),
  "borough": "Brooklyn",
  "cuisine": "Caribbean",
  "name": "Shashemene Int'l Restaura",
  "restaurant_id": "40362869"
}
type "it" for more
```

22)

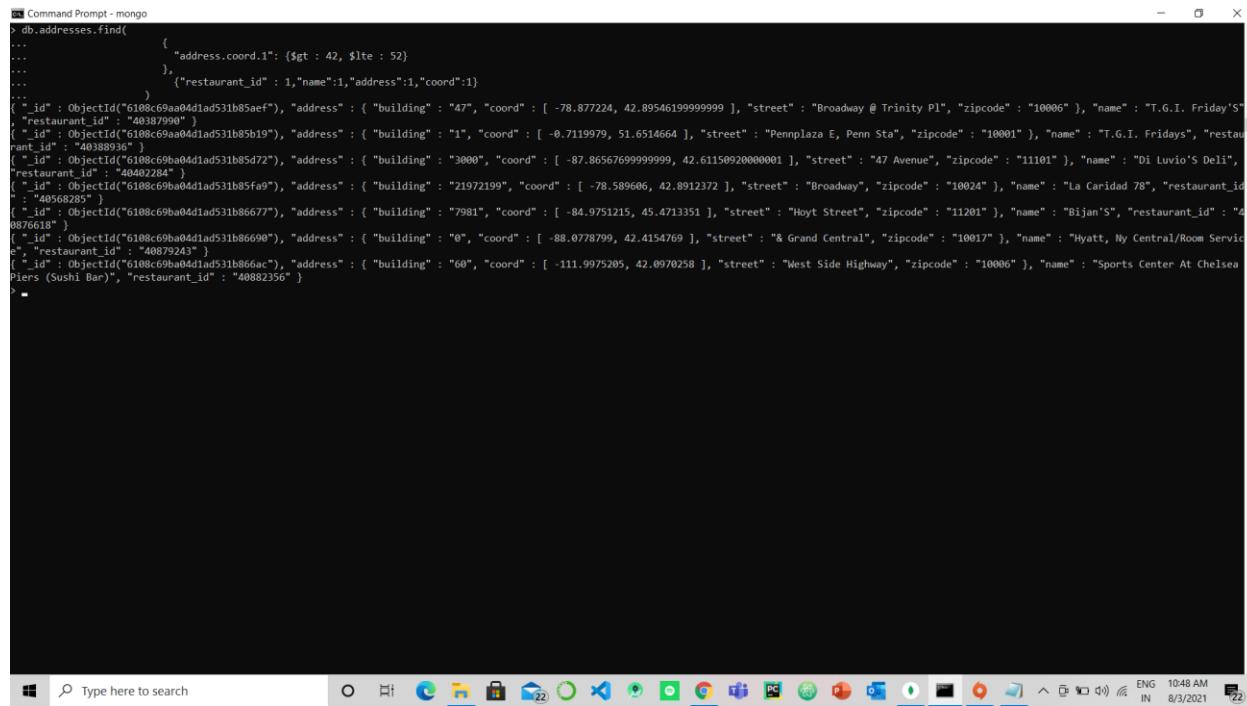
```
Command Prompt - mongo
> db.addresses.find(
...   {
...     "grades.date": ISODate("2014-08-11T00:00:00Z"),
...     "grades.grade": "A",
...     "grades.score": 11
...   },
...   {"restaurant_id": 1, "name": 1, "grades": 1}
... );
{
  "_id": ObjectId("6108c69aa04d1ad51b858c8"), "grades": [{ ("date": 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": "Navy's Pub", "restaurant_id": "4036587a" }, {"_id": ObjectId("6108c69aa04d1ad51b859a7"), "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("2013-03-16T00:00:00Z"), "grade": "A", "score": 12), ("date": ISODate("2012-06-10T00:00:00Z"), "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), ("date": ISODate("2010-04-25T00:00:00Z"), "grade": "C", "score": 2), ("date": ISODate("2012-10-23T00:00:00Z"), "grade": "A", "score": 13), ("date": ISODate("2011-11-15T00:00:00Z"), "grade": "A", "score": 12), "name": "Mustang Sally's Restaurant", "restaurant_id": "4039737a" }, {"_id": ObjectId("6108c69aa04d1ad51b85e7c"), "grades": [{ ("date": ISODate("2014-08-11T00:00:00Z"), "grade": "A", "score": 13), ("date": ISODate("2014-08-11T00:00:00Z"), "grade": "A", "score": 10), ("date": ISODate("2014-02-08T00:00:00Z"), "grade": "A", "score": 11), "name": "Club Macundo (Cigar Bar)", "restaurant_id": "4052417" }, {"_id": ObjectId("6108c69aa04d1ad51b85f72"), "grades": [{ ("date": ISODate("2014-08-11T00:00:00Z"), "grade": "A", "score": 12), ("date": ISODate("2012-19-09T00:00:00Z"), "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), ("date": ISODate("2015-01-05T00:00:00Z"), "grade": "A", "score": 9), ("date": ISODate("2014-08-11T00:00:00Z"), "grade": "A", "score": 10), ("date": ISODate("2015-01-04T00:00:00Z"), "grade": "B", "score": 22), ("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("6108c69ba04d1ad51b866f1"), "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" } ]
>
>
```

23)

```
Command Prompt - mongo
> 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("6108c69aa04d1ad51b85e7c"), "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": "40526486" } ]
>
```

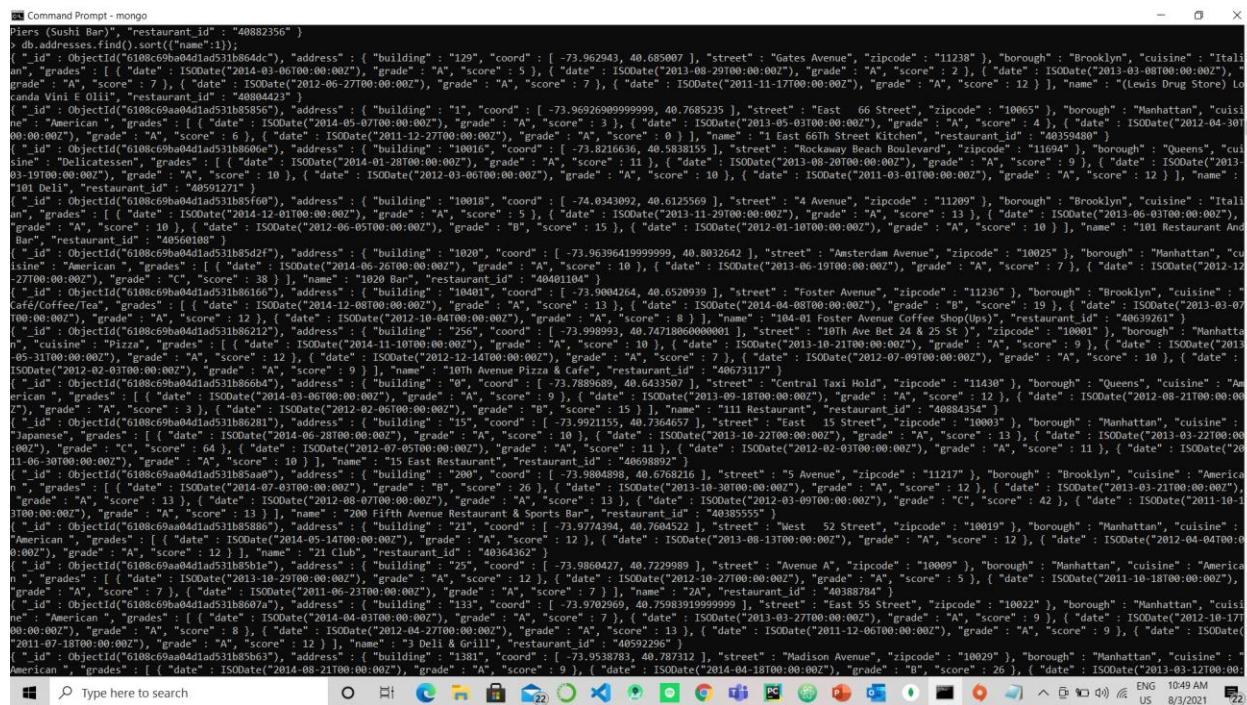
24)

```
Command Prompt - mongo
> db.addresses.find({ "name": "Piers (Sushi Bar)" })
...
```



25)

```
Command Prompt - mongo
> db.addresses.find({ "name": "Piers (Sushi Bar)" }, { "grades": 1 })
...
```





```
type "it" for more
db.addresses.find().sort({
...   {"cuisine":1,"borough": -1},
...
  {"_id": ObjectId("6108c69ba4d1ad531b85f35")}, "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": 10}], "name": "Afghan Kebab House", "restaurant_id": "40856617"}, {"_id": ObjectId("6108c69ba4d1ad531b86061")}, "address": {"building": "34", "coord": [-73.988361, 40.728639], "street": "St Marks Place", "zipcode": "10003"}, "borough": "Manhattan", "cuisine": "Afghan", "grades": [{"date": ISODate("2014-02-20T00:00:00Z"), "grade": "A", "score": 12}, {"date": ISODate("2014-08-06T00:00:00Z"), "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}], "name": "Khayyab Pass", "restaurant_id": "40859545"}, {"_id": ObjectId("6108c69ba4d1ad531b8611")}, "address": {"building": "764", "coord": [-73.988043, 40.761442], "street": "9 Avenue", "zipcode": "10019"}, "borough": "Manhattan", "cuisine": "Afghan", "grades": [{"date": ISODate("2014-12-31T00:00:00Z"), "grade": "A", "score": 12}, {"date": ISODate("2013-10-10T00:00:00Z"), "grade": "B", "score": 19}, {"date": ISODate("2013-03-25T00:00:00Z"), "grade": "A", "score": 13}, {"date": ISODate("2012-08-09T00:00:00Z"), "grade": "C", "score": 2}], "name": "Afghan Kebab House #1", "restaurant_id": "40616799"}, {"_id": ObjectId("6108c69ba4d1ad531b8633")}, "address": {"building": "787", "coord": [-73.988086, 40.765133], "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": 1}], "name": "Ariana Kebab House", "restaurant_id": "40868480"}, {"_id": ObjectId("6108c69ba4d1ad531b8650")}, "address": {"building": "14612", "coord": [-73.857087, 40.695846], "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("2012-08-18T00:00:00Z"), "grade": "A", "score": 11}], "name": "African Restaurant", "restaurant_id": "40798504"}, {"_id": ObjectId("6108c69ba4d1ad531b8625")}, "address": {"building": "195", "coord": [-73.9717845, 40.6870199], "street": "DeKalb Avenue", "zipcode": "11205"}, "borough": "Brooklyn", "cuisine": "African", "grades": [{"date": ISODate("2014-08-18T00:00:00Z"), "grade": "A", "score": 7}, {"date": ISODate("2013-03-12T00:00:00Z"), "grade": "A", "score": 10}, {"date": ISODate("2012-08-01T00:00:00Z"), "grade": "A", "score": 19}, {"date": ISODate("2011-01T00:00:00Z"), "grade": "A", "score": 12}], "name": "Madiba", "restaurant_id": "40684611"}, {"_id": ObjectId("6108c69ba4d1ad531b85920")}, "address": {"building": "2300", "coord": [-73.878611, 40.8502883], "street": "Southern Boulevard", "zipcode": "10466"}, "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}], "name": "African Terrace", "restaurant_id": "40368021"}, {"_id": ObjectId("6108c69ba4d1ad531b856b6")}, "address": {"building": "2364", "coord": [-73.902583, 40.8001246], "street": "Jerome Avenue", "zipcode": "10468"}, "borough": "Bronx", "cuisine": "American", "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": 13}, {"date": ISODate("2011-05-26T00:00:00Z"), "grade": "A", "score": 11}], "name": "Ebe Yee Africa Restaurant", "restaurant_id": "40823719"}, {"_id": ObjectId("6108c69ba4d1ad531b85894")}, "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 Kill Yacht Club", "restaurant_id": "408364610"}, {"_id": ObjectId("6108c69ba4d1ad531b858a1")}, "address": {"building": "398", "coord": [-74.0744319999999, 40.6096914], "street": "Hyde Boulevard", "zipcode": "10305"}, "borough": "Staten Island", "cuisine": "American", "grades": [{"date": ISODate("2014-06-21T00:00:00Z"), "grade": "A", "score": 9}, {"date": ISODate("2013-05-16T00:00:00Z"), "grade": "A", "score": 13}, {"date": ISODate("2012-08-30T00:00:00Z"), "grade": "A", "score": 10}], "name": "Labetti's Post # 2159", "restaurant_id": "40365902"}, {"_id": ObjectId("6108c69ba4d1ad531b858a5")}, "address": {"building": "6736", "coord": [-74.272494, 40.5071996], "street": "73rd Street", "zipcode": "10309"}, "borough": "Staten Island", "cuisine": "American", "grades": [{"date": ISODate("2014-08-13T00:00:00Z"), "grade": "A", "score": 3}, {"date": ISODate("2014-08-10T00:00:00Z"), "grade": "B", "score": 20}], "name": "Labetti's Post # 2159", "restaurant_id": "40365902"}, {"_id": ObjectId("6108c69ba4d1ad531b858b5")}, "address": {"building": "701", "coord": [-74.06513, 40.6096914], "street": "West Farms", "zipcode": "10310"}, "borough": "Bronx", "cuisine": "American", "grades": [{"date": ISODate("2014-07-15T00:00:00Z"), "grade": "A", "score": 11}, {"date": ISODate("2013-09-15T00:00:00Z"), "grade": "A", "score": 12}, 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{"date": ISODate("2012-06-11T00:00:00Z"), "grade": "A", "score": 13}], "name": "I Greci's Staate Restaurant", "restaurant_id": "40366711"}]
```



28)

```
> Command Prompt - mongo
> db.addresses.find()
...     {"address.street": ...
...      {"$exists": true
...       }
...     }
...
{ "_id" : ObjectId("6108c69aa4d41ad51b8584c"), "address" : { "building" : "1007", "coord" : [ -73.8560677, 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" : "3074545" }
{ "_id" : ObjectId("6108c69aa4d41ad51b8584d"), "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" : "40156068" }
{ "_id" : ObjectId("6108c69aa4d41ad51b8584e"), "address" : { "building" : "669", "coord" : [ -73.9510741, 40.6652942 ], "street" : "Flatbush Avenue", "zipcode" : "11205" }, "borough" : "Brooklyn", "cuisine" : "Hamburgers", "grades" : [ { "date" : ISODate("2015-05-06T00:00:00Z"), "grade" : "A", "score" : 8 } ], "name" : "Nen's", "restaurant_id" : "3012180" }
{ "_id" : ObjectId("6108c69aa4d41ad51b8584f"), "address" : { "building" : "5490", "coord" : [ -74.0052889999999, 40.638886 ], "street" : "112th Street", "zipcode" : "11219" }, "borough" : "Brooklyn", "cuisine" : "American", "grades" : [ { "date" : ISODate("2014-07-18T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-07-30T00:00:00Z"), "grade" : "B", "score" : 12 } ], "name" : "Regina Catthers", "restaurant_id" : "40356640" }
{ "_id" : ObjectId("6108c69aa4d41ad51b85850"), "address" : { "building" : "825", "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 } ], "name" : "Brunos On The Boulevard", "restaurant_id" : "40365151" }
{ "_id" : ObjectId("6108c69aa4d41ad51b85851"), "address" : { "building" : "1839", "coord" : [ -73.9428609, 40.6488771 ], "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 } ], "name" : "Taste The Tropics Ice Cream", "restaurant_id" : "40356731" }
{ "_id" : ObjectId("6108c69aa4d41ad51b85852"), "address" : { "building" : "7715", "coord" : [ -73.9973529, 40.6171489999999 ], "street" : "18 Avenue", "zipcode" : "11214" }, "borough" : "Brooklyn", "cuisine" : "American", "grades" : [ { "date" : ISODate("2014-04-10T00:00:00Z"), "grade" : "A", "score" : 5 } ], "name" : "C & C Catering Service", "restaurant_id" : "40357437" }
{ "_id" : ObjectId("6108c69aa4d41ad51b85853"), "address" : { "building" : "2300", "coord" : [ -73.8786113, 40.8920883 ], "street" : "Southern Boulevard", "zipcode" : "11640" }, "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 } ], "name" : "Stillwell Avenue", "restaurant_id" : "40357217" }
{ "_id" : ObjectId("6108c69aa4d41ad51b85854"), "address" : { "building" : "2780", "coord" : [ -73.9824199999999, 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 } ], "name" : "Riviera Caterer", "restaurant_id" : "40356818" }
{ "_id" : ObjectId("6108c69aa4d41ad51b85855"), "address" : { "building" : "1269", "coord" : [ -73.871194, 40.6739075 ], "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 } ], "name" : "May Kitchen", "restaurant_id" : "40358429" }
{ "_id" : ObjectId("6108c69aa4d41ad51b85856"), "address" : { "building" : "", "coord" : [ -73.9602699999999, 40.7685235 ], "street" : "East 66 Street", "zipcode" : "10065" }, "borough" : "Manhattan", "cuisine" : "American", "grades" : [ { "date" : ISODate("2014-05-07T00:00:00Z"), "grade" : "A", "score" : 4 } ], "name" : "The Cellar", "restaurant_id" : "40359480" }
{ "_id" : ObjectId("6108c69aa4d41ad51b85857"), "address" : { "building" : "333", "coord" : [ -73.9851359999999, 40.7636919 ], "street" : "First Avenue", "zipcode" : "10019" }, "borough" : "Manhattan", "cuisine" : "Irish", "grades" : [ { "date" : ISODate("2014-09-06T00:00:00Z"), "grade" : "A", "score" : 2 } ], "name" : "D' Reynolds Pub And Restaurant", "restaurant_id" : "30191841" }
{ "_id" : ObjectId("6108c69aa4d41ad51b85858"), "address" : { "building" : "265-15", "coord" : [ -73.7032681, 40.7386741 ], "street" : "Hillside Avenue", "zipcode" : "11804" }, "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "grades" : [ { "date" : ISODate("2014-10-28T00:00:00Z"), "grade" : "A", "score" : 9 } ], "name" : "Carvel Ice Cream", "restaurant_id" : "40361322" }
{ "_id" : ObjectId("6108c69aa4d41ad51b85859"), "address" : { "building" : "203", "coord" : [ -73.9782200000001, 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 } ], "name" : "The Cellar", "restaurant_id" : "30191842" }
{ "_id" : ObjectId("6108c69aa4d41ad51b85860"), "address" : { "building" : "", "coord" : [ -73.9701001, 40.7170001 ], "street" : "1st Avenue", "zipcode" : "10010" }, "borough" : "Manhattan", "cuisine" : "American", "grades" : [ { "date" : ISODate("2012-01-09T00:00:00Z"), "grade" : "P", "score" : 12 } ], "name" : "Taste", "restaurant_id" : "3012180" }
```

29)

```
> db.addresses.find()
...     {"address.coord" :
...      {"$type": "002"} }
...     }
...   }
... }

{ "_id" : ObjectId("6108c69aa4d41ad531b8584c"), "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" : "3074545" }

{ "_id" : ObjectId("6108c69aa4d41ad531b8584d"), "address" : { "building" : "97-22", "coord" : [ -73.8661152, 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("6108c69aa4d41ad531b8584e"), "address" : { "building" : "669", "coord" : [ -73.9516704, 40.6625942 ], "street" : "Flatbush Avenue", "zipcode" : "11205" }, "borough" : "Brooklyn", "cuisine" : "Hamburgers", "grades" : [ { "date" : ISODate("2014-11-20T00:00:00Z"), "grade" : "A", "score" : 8 }, { "date" : ISODate("2012-05-08T00:00:00Z"), "grade" : "A", "score" : 12 } ], "name" : "Wendy'S", "restaurant_id" : "30112340" }

{ "_id" : ObjectId("6108c69aa4d41ad531b8584f"), "address" : { "building" : "5409", "coord" : [ -74.0528899999999, 40.6288808 ], "street" : "Streets Of America", "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" : 23 }, { "date" : ISODate("2013-04-30T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "Regina Catavers", "restaurant_id" : "40356640" }

{ "_id" : ObjectId("6108c69aa4d41ad531b85850"), "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("2014-05-07T00:00:00Z"), "grade" : "A", "score" : 10 }, { "date" : ISODate("2013-03-02T00:00:00Z"), "grade" : "A", "score" : 7 } ], "name" : "Taste The Tropics", "restaurant_id" : "40356315" }

{ "_id" : ObjectId("6108c69aa4d41ad531b85851"), "address" : { "building" : "1830", "coord" : [ -73.9482609, 40.6488271 ], "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" : 8 } ], "name" : "Taste The Tropics Ice Cream", "restaurant_id" : "40356311" }

{ "_id" : ObjectId("6108c69aa4d41ad531b85852"), "address" : { "building" : "7715", "coord" : [ -73.9973259, 40.6171488999999 ], "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 } ], "name" : "C & Catering Service", "restaurant_id" : "40357437" }

{ "_id" : ObjectId("6108c69aa4d41ad531b85853"), "address" : { "building" : "2700", "coord" : [ -73.8786113, 40.8920883 ], "street" : "Southern Boulevard", "zipcode" : "11840" }, "borough" : "Bronx", "cuisine" : "American", "grades" : [ { "date" : ISODate("2014-05-26T00:00:00Z"), "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("6108c69aa4d41ad531b85854"), "address" : { "building" : "2780", "coord" : [ -73.9821999999999, 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 } ], "name" : "May Kitchen", "restaurant_id" : "40358429" }

{ "_id" : ObjectId("6108c69aa4d41ad531b85856"), "address" : { "building" : "1", "coord" : [ -73.9626909999999, 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("2014-05-03T00:00:00Z"), "grade" : "A", "score" : 4 }, { "date" : ISODate("2012-04-30T00:00:00Z"), "grade" : "A", "score" : 6 } ], "name" : "I East 66th Street Kitchen", "restaurant_id" : "40359480" }

{ "_id" : ObjectId("6108c69aa4d41ad531b85857"), "address" : { "building" : "1", "coord" : [ -73.9581599999999, 40.7676919 ], "street" : "West 57 Street", "zipcode" : "10019" }, "borough" : "Manhattan", "cuisine" : "American", "grades" : [ { "date" : ISODate("2014-09-06T00:00:00Z"), "grade" : "A", "score" : 11 }, { "date" : ISODate("2013-07-22T00:00:00Z"), "grade" : "A", "score" : 11 } ], "name" : "O'Nomads Pub And Restaurant", "restaurant_id" : "40359184" }

{ "_id" : ObjectId("6108c69aa4d41ad531b85858"), "address" : { "building" : "365-15", "coord" : [ -73.7023649, 40.7386412 ], "street" : "Hillside Avenue", "zipcode" : "11604" }, "borough" : "Queens", "cuisine" : "Ice Cream, Gelato, Yogurt, Ices", "grades" : [ { "date" : ISODate("2014-10-28T00:00:00Z"), "grade" : "A", "score" : 12 }, { "date" : ISODate("2013-09-18T00:00:00Z"), "grade" : "A", "score" : 10 } ], "name" : "Carvel Ice Cream", "restaurant_id" : "40361322" }

{ "_id" : ObjectId("6108c69aa4d41ad531b85859"), "address" : { "building" : "203", "coord" : [ -73.9782040000001, 40.6435255 ], "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 } ], "name" : "Carvel Ice Cream", "restaurant_id" : "40361322" }

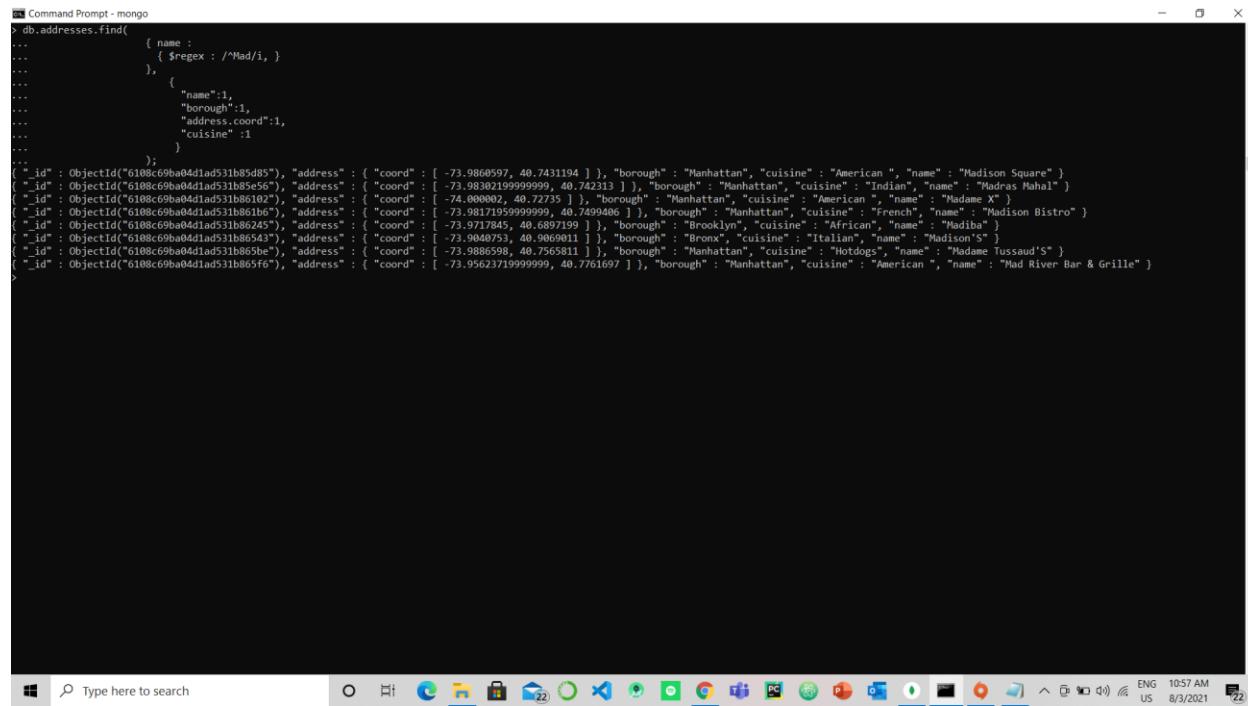
{ "_id" : ObjectId("6108c69aa4d41ad531b85860"), "address" : { "building" : "1", "coord" : [ -73.9017009, 40.7008221 ], "street" : "110th Street", "zipcode" : "10036" }, "borough" : "Manhattan", "cuisine" : "American", "grades" : [ { "date" : ISODate("2014-01-09T00:00:00Z"), "grade" : "A", "score" : 3 }, { "date" : ISODate("2011-11-07T00:00:00Z"), "grade" : "A", "score" : 13 } ], "name" : "The Standard", "restaurant_id" : "40361323" }
```

30)

31)

```
Command Prompt - mongo
> db.addresses.find(
  { name : 
    { $regex : "mon.*", $options: "i" }
  },
  {
    "name":1,
    "borough":1,
    "address.coord":1,
    "cuisine":1
  }
)
{
  "_id" : ObjectId("6108c69aa04d1ad531b858e0"),
  "address" : { "coord" : [ -73.98306099999999, 40.7441419 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Desmond'S Tavern"
}
{
  "_id" : ObjectId("6108c69aa04d1ad531b858e0"),
  "address" : { "coord" : [ -73.8221418, 40.7272376 ] }, "borough" : "Queens", "cuisine" : "Jewish/Kosher", "name" : "Shimson Kosher Pizza"
}
{
  "_id" : ObjectId("6108c69aa04d1ad531b858f1"),
  "address" : { "coord" : [ -74.18465999999999, 40.58834 ] }, "borough" : "Staten Island", "cuisine" : "American ", "name" : "Richmond County Country Club"
}
{
  "_id" : ObjectId("6108c69aa04d1ad531b85921"),
  "address" : { "coord" : [ -73.9813033, 40.597365 ] }, "borough" : "Brooklyn", "cuisine" : "Pizza/Italian", "name" : "Ib Spumoni Gardens"
}
{
  "_id" : ObjectId("6108c69aa04d1ad531b85931"),
  "address" : { "coord" : [ -73.9813033, 40.597365 ] }, "borough" : "Brooklyn", "cuisine" : "American ", "name" : "Ib Spumoni Gardens"
}
{
  "_id" : ObjectId("6108c69aa04d1ad531b85940"),
  "address" : { "coord" : [ -73.9248972, 40.761089000000001 ] }, "borough" : "Queens", "cuisine" : "Greek ", "name" : "Omonia Restaurant"
}
{
  "_id" : ObjectId("6108c69aa04d1ad531b85949"),
  "address" : { "coord" : [ -74.0023553, 40.7335737 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Manhattan Monster"
}
{
  "_id" : ObjectId("6108c69aa04d1ad531b85a24"),
  "address" : { "coord" : [ -74.001094, 40.739583 ] }, "borough" : "Manhattan", "cuisine" : "Italian", "name" : "Monte'S"
}
{
  "_id" : ObjectId("6108c69aa04d1ad531b85a24"),
  "address" : { "coord" : [ -73.9801605, 40.7526176 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Delmonico's Kitchen"
}
{
  "_id" : ObjectId("6108c69aa04d1ad531b85a42"),
  "address" : { "coord" : [ -73.9979536, 40.6914024 ] }, "borough" : "Brooklyn", "cuisine" : "Bottled beverages, including water, sodas, juices, etc.", "name" : "Monterey Bar & Grill"
}
{
  "_id" : ObjectId("6108c69aa04d1ad531b85bc0"),
  "address" : { "coord" : [ -73.9707505, 40.7635651 ] }, "borough" : "Manhattan", "cuisine" : "Delicatessen", "name" : "Delmonico Gourmet"
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b85c30"),
  "address" : { "coord" : [ -73.9760637, 40.7586886 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Delmonico Gourmet"
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b85c30"),
  "address" : { "coord" : [ -73.9760637, 40.7586886 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Delmonico Gourmet"
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b85c4e"),
  "address" : { "coord" : [ -73.9705633, 40.7605759 ] }, "borough" : "Manhattan", "cuisine" : "Italian", "name" : "Montebello Restaurant"
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b85ce4"),
  "address" : { "coord" : [ -74.1914658, 40.552743600000001 ] }, "borough" : "Staten Island", "cuisine" : "Italian", "name" : "Villa Monte Pizzeria"
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b85cf8"),
  "address" : { "coord" : [ -73.97198269999999, 40.764644 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Harmonic Club"
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b85c53"),
  "address" : { "coord" : [ -73.79571990000001, 40.7095637 ] }, "borough" : "Queens", "cuisine" : "Bakery", "name" : "Ramon's Bakery"
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b85c53"),
  "address" : { "coord" : [ -73.79571990000001, 40.7095637 ] }, "borough" : "Queens", "cuisine" : "Bakery", "name" : "Ramon's Bakery"
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b85eac"),
  "address" : { "coord" : [ -73.38463480000001, 40.76380755 ] }, "borough" : "Manhattan", "cuisine" : "American ", "name" : "Neil Simon Theatre"
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b85e89"),
  "address" : { "coord" : [ -73.393361, 40.6991317 ] }, "borough" : "Brooklyn", "cuisine" : "Bakery", "name" : "Mondial Bakery"
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b85ee7"),
  "address" : { "coord" : [ -74.028486, 40.6304538 ] }, "borough" : "Brooklyn", "cuisine" : "Mediterranean", "name" : "Omonia Cafe"
}
type "it" for more
```

32)



The screenshot shows a Windows Command Prompt window titled "Command Prompt - mongo". The command entered is "db.addresses.find({ name : { \$regex : '/Mad/i, }, { "name":1, "borough":1, "address.coord":1, "cuisine":1 } })". The output displays a list of documents from the "addresses" collection, each containing fields: _id, name, borough, address.coord, and cuisine. The names in the results all contain the substring "Mad".

```
> db.addresses.find(
...   { name : 
...     { $regex : '/Mad/i, }
...   },
...   {
...     "name":1,
...     "borough":1,
...     "address.coord":1,
...     "cuisine":1
...   }
... )
{
  "_id" : ObjectId("6108c69ba04d1ad531b85d85"),
  "name" : "Madison Square",
  "borough" : "Manhattan",
  "cuisine" : "American",
  "address" : {
    "coord" : [ -73.9860597, 40.7431194 ]
  }
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b85e56"),
  "name" : "Madras Mahal",
  "borough" : "Manhattan",
  "cuisine" : "Indian",
  "address" : {
    "coord" : [ -73.9830219999999, 40.742313 ]
  }
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b86102"),
  "name" : "Madame X",
  "borough" : "Manhattan",
  "cuisine" : "American",
  "address" : {
    "coord" : [ -74.000002, 40.72735 ]
  }
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b861b6"),
  "name" : "Madison Bistro",
  "borough" : "Manhattan",
  "cuisine" : "French",
  "address" : {
    "coord" : [ -73.9817195999999, 40.7499406 ]
  }
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b86245"),
  "name" : "Madiba",
  "borough" : "Brooklyn",
  "cuisine" : "African",
  "address" : {
    "coord" : [ -73.9717845, 40.6897199 ]
  }
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b86543"),
  "name" : "Madison'S",
  "borough" : "Bronx",
  "cuisine" : "Italian",
  "address" : {
    "coord" : [ -73.9604753, 40.9069011 ]
  }
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b86598"),
  "name" : "Madame Tussaud'S",
  "borough" : "Manhattan",
  "cuisine" : "Hotdogs",
  "address" : {
    "coord" : [ -73.9886598, 40.7565811 ]
  }
}
{
  "_id" : ObjectId("6108c69ba04d1ad531b865f6"),
  "name" : "Mad River Bar & Grille",
  "borough" : "Manhattan",
  "cuisine" : "American",
  "address" : {
    "coord" : [ -73.9562371999999, 40.7761697 ]
  }
}
```