

```
Atlas atlas-h87gw6-shard-0 [primary] myFirstDatabase> use restaurants
switched to db restaurants
Atlas atlas-h87gw6-shard-0 [primary] restaurants> db.addresses.find()
[
```

```
{
  _id: ObjectId("6205e3891c28351e253bd6c0"),
  address: {
    building: '1007',
    coord: [ -73.856077, 40.848447 ],
    street: 'Morris Park Ave',
    zipcode: '10462'
  },
  borough: 'Bronx',
  cuisine: 'Bakery',
  grades: [
    {
      date: ISODate("2014-03-03T00:00:00.000Z"),
      grade: 'A',
      score: 2
    },
    {
      date: ISODate("2013-09-11T00:00:00.000Z"),
      grade: 'A',
      score: 6
    },
    {
      date: ISODate("2013-01-24T00:00:00.000Z"),
      grade: 'A',
      score: 10
    },
    {
      date: ISODate("2011-11-23T00:00:00.000Z"),
      grade: 'A',
      score: 9
    },
    {
      date: ISODate("2011-03-10T00:00:00.000Z"),
      grade: 'B',
      score: 14
    }
  ]
}
```



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```
}
]
Type "it" for more
Atlas atlas-h87gw6-shard-0 [primary] restaurants> db.addresses.find({}, {_id:1, name:1, cuisine: 1, borough: 1, restaurant_id: 1})
[
  {
    _id: ObjectId("6205e3891c28351e253bd6c0"),
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  },
  {
    _id: ObjectId("6205e3891c28351e253bd6c1"),
    borough: 'Brooklyn',
    cuisine: 'Hamburgers',
    name: 'Wendy'S',
    restaurant_id: '30112340'
  },
  {
    _id: ObjectId("6205e3891c28351e253bd6c2"),
    borough: 'Manhattan',
    cuisine: 'Irish',
    name: 'Dj Reynolds Pub And Restaurant',
    restaurant_id: '30191841'
  },
  {
    _id: ObjectId("6205e3891c28351e253bd6c3"),
    borough: 'Brooklyn',
    cuisine: 'American ',
    name: 'Riviera Caterer',
    restaurant_id: '40356018'
  },
  {
    _id: ObjectId("6205e3891c28351e253bd6c4"),
    borough: 'Queens',
    cuisine: 'Jewish/Kosher',
    name: 'Tov Kosher Kitchen',
    restaurant_id: '40356068'
  },
]
```



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```

},
{
Atlas atlas-h87gw6-shard-0 [primary] restaurants> db.addresses.find({}, {_id:0, name:1, cuisine: 1, borough: 1, restaurant_id: 1})
[
  borough: 'Manhattan',
  { cuisine: 'American ',
    borough: 'Bronx',ood',
    cuisine: 'Bakery',361521'
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  },_id: ObjectId("6205e3891c28351e253bd6d3"),
  { borough: 'Brooklyn',
    borough: 'Brooklyn',,,
    cuisine: 'Hamburgers',st',
    name: "Wendy'S",40361606'
    restaurant_id: '30112340'
  },
  {e "it" for more
    borough: 'Manhattan',0 [primary] restaurants>
    cuisine: 'Irish',
    name: 'Dj Reynolds Pub And Restaurant',
    restaurant_id: '30191841'
  },
  {
    borough: 'Brooklyn',
    cuisine: 'American ',
    name: 'Riviera Caterer',
    restaurant_id: '40356018'
  },
  {
    borough: 'Queens',
    cuisine: 'Jewish/Kosher',
    name: 'Tov Kosher Kitchen',
    restaurant_id: '40356068'
  },
  {
    borough: 'Queens',
    cuisine: 'American ',
    name: 'Brunos On The Boulevard',
    restaurant_id: '40356151'
  },
],

```



```

}
]
Type "it" for more
Atlas atlas-h87gw6-shard-0 [primary] restaurants> db.addresses.find({}, {_id:0, name:1, cuisine: 1, borough: 1, restaurant_id: 1, "address.zipcode": 1})
[
  {
    address: { zipcode: '10462' },
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  },
  {
    address: { zipcode: '11225' },
    borough: 'Brooklyn',
    cuisine: 'Hamburgers',
    name: 'Wendy'S',
    restaurant_id: '30112340'
  },
  {
    address: { zipcode: '10019' },
    borough: 'Manhattan',
    cuisine: 'Irish',
    name: 'Dj Reynolds Pub And Restaurant',
    restaurant_id: '30191841'
  },
  {
    address: { zipcode: '11224' },
    borough: 'Brooklyn',
    cuisine: 'American ',
    name: 'Riviera Caterer',
    restaurant_id: '40356018'
  },
  {
    address: { zipcode: '11374' },
    borough: 'Queens',
    cuisine: 'Jewish/Kosher',
    name: 'Tov Kosher Kitchen',
    restaurant_id: '40356068'
  },
]

```



```

}
]
Type "it" for more
Atlas atlas-h87gw6-shard-0 [primary] restaurants> db.addresses.find({"borough" : "Bronx"}).limit(5)
[
  {
    _id: ObjectId("6205e3891c28351e253bd6c0"),
    address: {
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'Bakery',
    grades: [
      {
        date: ISODate("2014-03-03T00:00:00.000Z"),
        grade: 'A',
        score: 2
      },
      {
        date: ISODate("2013-09-11T00:00:00.000Z"),
        grade: 'A',
        score: 6
      },
      {
        date: ISODate("2013-01-24T00:00:00.000Z"),
        grade: 'A',
        score: 10
      },
      {
        date: ISODate("2011-11-23T00:00:00.000Z"),
        grade: 'A',
        score: 9
      },
      {
        date: ISODate("2011-03-10T00:00:00.000Z"),
        grade: 'B',
        score: 14
      }
    ]
  }
]

```



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Type "it" for more

Atlas atlas-h87gw6-shard-0 [primary] restaurants> db.addresses.find({"borough" : "Bronx"}).pretty()

```
[
  {
    _id: ObjectId("6205e3891c28351e253bd6c0"),
    address: {
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'Bakery',
    grades: [
      {
        date: ISODate("2014-03-03T00:00:00.000Z"),
        grade: 'A',
        score: 2
      },
      {
        date: ISODate("2013-09-11T00:00:00.000Z"),
        grade: 'A',
        score: 6
      },
      {
        date: ISODate("2013-01-24T00:00:00.000Z"),
        grade: 'A',
        score: 10
      },
      {
        date: ISODate("2011-11-23T00:00:00.000Z"),
        grade: 'A',
        score: 9
      },
      {
        date: ISODate("2011-03-10T00:00:00.000Z"),
        grade: 'B',
        score: 14
      }
    ]
  }
]
```



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```
Atlas atlas-h87gw6-shard-0 [primary] restaurants> db.addresses.find({"borough" : "Bronx"}).skip(5).limit(5)
```

```
[
  {
    _id: ObjectId("6205e3891c28351e253bd6fd"),
    address: {
      building: '658',
      coord: [ -73.81363999999999, 40.82941100000001 ],
      street: 'Clarence Ave',
      zipcode: '10465'
    },
    borough: 'Bronx',
    cuisine: 'American ',
    grades: [
      {
        date: ISODate("2014-06-21T00:00:00.000Z"),
        grade: 'A',
        score: 5
      },
      {
        date: ISODate("2012-07-11T00:00:00.000Z"),
        grade: 'A',
        score: 10
      }
    ],
    name: 'Manhem Club',
    restaurant_id: '40364363'
  },
  {
    _id: ObjectId("6205e3891c28351e253bd715"),
    address: {
      building: '2222',
      coord: [ -73.84971759999999, 40.8304811 ],
      street: 'Haviland Avenue',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'American ',
    grades: [
      {
```



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Atlas atlas-h87gw6-shard-0 [primary] restaurants> db.addresses.find({"grades.score" : {"\$gt" : 90}})

```
[
  {
    _id: ObjectId("6205e3891c28351e253bd81e"),
    address: {
      building: '65',
      coord: [ -73.9782725, 40.7624022 ],
      street: 'West 54 Street',
      zipcode: '10019'
    },
    borough: 'Manhattan',
    cuisine: 'American ',
    grades: [
      {
        date: ISODate("2014-08-22T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2014-03-28T00:00:00.000Z"),
        grade: 'C',
        score: 131
      },
      {
        date: ISODate("2013-09-25T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2013-04-08T00:00:00.000Z"),
        grade: 'B',
        score: 25
      },
      {
        date: ISODate("2012-10-15T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2011-10-19T00:00:00.000Z"),
```



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Atlas atlas-h87gw6-shard-0 [primary] restaurants> db.addresses.find({\$and : [{"grades.score" : {"\$gt" : 80}}, {"grades.score" : {"\$lt" : 100}}]})

```
[
  {
    _id: ObjectId("6205e3891c28351e253bd81e"),
    address: {
      building: '65',
      coord: [ -73.9782725, 40.7624022 ],
      street: 'West 54 Street',
      zipcode: '10019'
    },
    borough: 'Manhattan',
    cuisine: 'American ',
    grades: [
      {
        date: ISODate("2014-08-22T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2014-03-28T00:00:00.000Z"),
        grade: 'C',
        score: 131
      },
      {
        date: ISODate("2013-09-25T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2013-04-08T00:00:00.000Z"),
        grade: 'B',
        score: 25
      },
      {
        date: ISODate("2012-10-15T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2011-10-19T00:00:00.000Z"),
```



Atlas atlas-h87gw6-shard-0 [primary] restaurants> db.addresses.find({"address.coord.0" : {\$lt : -95.754168}})

```
[
  {
    _id: ObjectId("6205e38a1c28351e253bdd08"),
    address: {
      building: '3707',
      coord: [ -101.8945214, 33.5197474 ],
      street: '82 Street',
      zipcode: '11372'
    },
    borough: 'Queens',
    cuisine: 'American ',
    grades: [
      {
        date: ISODate("2014-06-04T00:00:00.000Z"),
        grade: 'A',
        score: 12
      },
      {
        date: ISODate("2013-11-07T00:00:00.000Z"),
        grade: 'B',
        score: 19
      },
      {
        date: ISODate("2013-05-17T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2012-08-29T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2012-04-03T00:00:00.000Z"),
        grade: 'A',
        score: 12
      }
    ]
  }
]
```



cmd mongosh mongodb+srv://cluster0.msg7a.mongodb.net/myFirstDatabase

```
Atlas atlas-h87gw6-shard-0 [primary] restaurants> db.addresses.find({$and : [{"cuisine" : {$ne : "American "}}, {"address.coord.0" : {$lt : -65.754168}}, {"grades.score" : {$gt : 70}]]})
```

```
[
  {
    _id: ObjectId("6205e3891c28351e253bd8bf"),
    address: {
      building: '345',
      coord: [ -73.9864626, 40.7266739 ],
      street: 'East 6 Street',
      zipcode: '10003'
    },
    borough: 'Manhattan',
    cuisine: 'Indian',
    grades: [
      {
        date: ISODate("2014-09-15T00:00:00.000Z"),
        grade: 'A',
        score: 5
      },
      {
        date: ISODate("2014-01-14T00:00:00.000Z"),
        grade: 'A',
        score: 8
      },
      {
        date: ISODate("2013-05-30T00:00:00.000Z"),
        grade: 'A',
        score: 12
      },
      {
        date: ISODate("2013-04-24T00:00:00.000Z"),
        grade: 'P',
        score: 2
      },
      {
        date: ISODate("2012-10-01T00:00:00.000Z"),
        grade: 'A',
        score: 9
      },
      {

```



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