1. Write a MongoDB query to display all the documents in the collection restaurants.
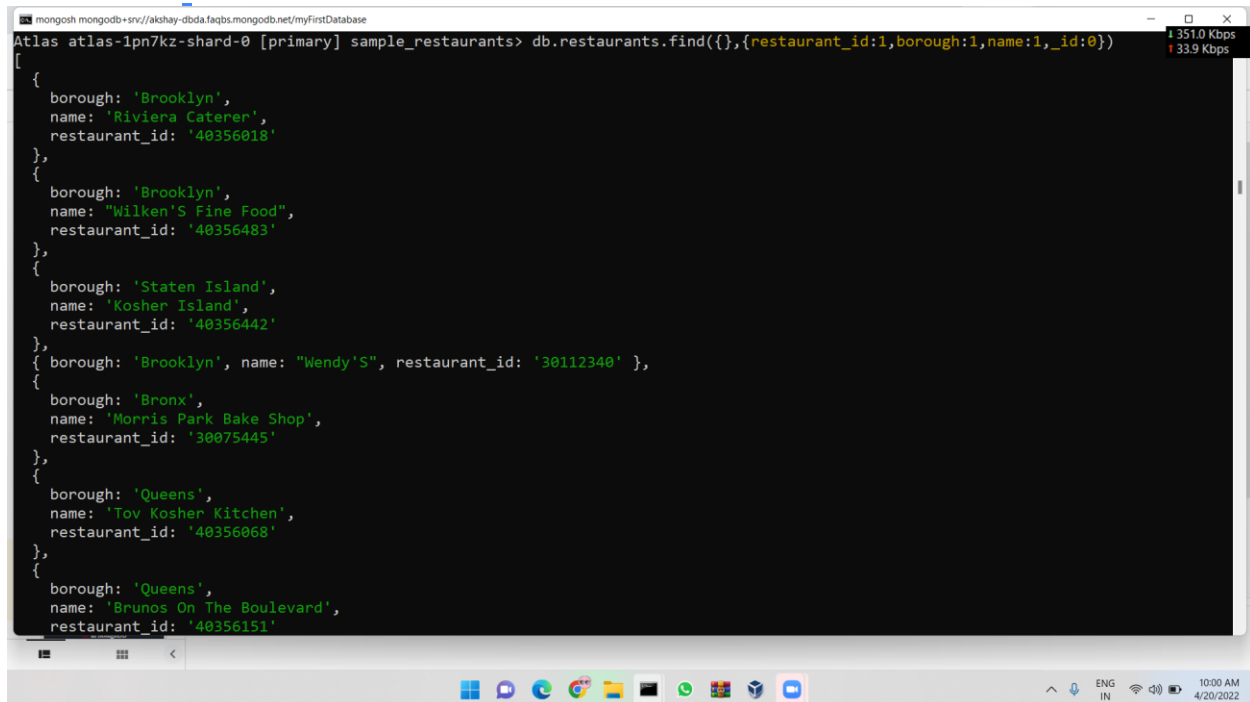
```
Atlas atlas-1pn7kz-shard-0 [primary] sample_restaurants> db.restaurants.find()
[
  {
    _id: ObjectId("5eb3d668b31de5d588f4292a"),
    address: {
      building: '2780',
      coord: [ -73.98241999999999, 40.579505 ],
      street: 'Stillwell Avenue',
      zipcode: '11224'
    },
    borough: 'Brooklyn',
    cuisine: 'American',
    grades: [
      {
        date: ISODate("2014-06-10T00:00:00.000Z"),
        grade: 'A',
        score: 5
      },
```

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

```
mongosh mongodb+srv://akshay-dbda.faqbs.mongodb.net/myFirstDatabase
Type "it" for more
Atlas atlas-1pn7kz-shard-0 [primary] sample_restaurants> db.restaurants.find({},{restaurant_id:1,name:1,cuisine:1,borough:1})
[
  {
    _id: ObjectId("5eb3d668b31de5d588f4292a"),
    borough: 'Brooklyn',
    cuisine: 'American',
    name: 'Riviera Caterer',
    restaurant_id: '40356018'
  },
  {
    _id: ObjectId("5eb3d668b31de5d588f4292b"),
    borough: 'Brooklyn',
    cuisine: 'Delicatessen',
    name: "Wilken'S Fine Food",
    restaurant_id: '40356483'
  },
  {
    _id: ObjectId("5eb3d668b31de5d588f4292c"),
    borough: 'Staten Island',
    cuisine: 'Jewish/Kosher',
    name: 'Kosher Island',
    restaurant_id: '40356442'
  },
  {
    _id: ObjectId("5eb3d668b31de5d588f4292d"),
    borough: 'Brooklyn',
    cuisine: 'Hamburgers',
    name: "Wendy'S",
    restaurant_id: '30112340'
  },
  {
```

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

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

Atlas atlas-1pn7kz-shard-0 [primary] sample_restaurants> db.restaurants.find({ },{restaurant_id:1,borough:1,name:1,"address.zipcode":1,_id:0})

[

  {

    address: { zipcode: '11224' },

    borough: 'Brooklyn',

    name: 'Riviera Caterer',

    restaurant_id: '40356018'

  },

  {

```
    address: { zipcode: '11234' },

    borough: 'Brooklyn',

    name: "Wilken'S Fine Food",

    restaurant_id: '40356483'

  },

  {

    address: { zipcode: '10314' },

    borough: 'Staten Island',

    name: 'Kosher Island',

    restaurant_id: '40356442'

  },

  {

    address: { zipcode: '11225' },

    borough: 'Brooklyn',

    name: "Wendy'S",

    restaurant_id: '30112340'

  },

  {

    address: { zipcode: '10462' },

    borough: 'Bronx',

    name: 'Morris Park Bake Shop',

    restaurant_id: '30075445'

  },
```

```
{
  address: { zipcode: '11374' },
  borough: 'Queens',
  name: 'Tov Kosher Kitchen',
  restaurant_id: '40356068'
},
{
  address: { zipcode: '11369' },
  borough: 'Queens',
  name: 'Brunos On The Boulevard',
  restaurant_id: '40356151'
},
{
  address: { zipcode: '11219' },
  borough: 'Brooklyn',
  name: 'Regina Caterers',
  restaurant_id: '40356649'
},
{
  address: { zipcode: '11226' },
  borough: 'Brooklyn',
  name: 'Taste The Tropics Ice Cream',
  restaurant_id: '40356731'
```

```
    },
    {
      address: { zipcode: '10460' },

      borough: 'Bronx',

      name: 'Wild Asia',

      restaurant_id: '40357217'

    },
    {
      address: { zipcode: '11214' },

      borough: 'Brooklyn',

      name: 'C & C Catering Service',

      restaurant_id: '40357437'

    },
    {
      address: { zipcode: '11223' },

      borough: 'Brooklyn',

      name: 'Seuda Foods',

      restaurant_id: '40360045'

    },
    {
      address: { zipcode: '11208' },

      borough: 'Brooklyn',

      name: 'May May Kitchen',
```

```
    restaurant_id: '40358429'
  },
  {
    address: { zipcode: '10065' },
    borough: 'Manhattan',
    name: '1 East 66Th Street Kitchen',
    restaurant_id: '40359480'
  },
  {
    address: { zipcode: '11004' },
    borough: 'Queens',
    name: 'Carvel Ice Cream',
    restaurant_id: '40361322'
  },
  {
    address: { zipcode: '10019' },
    borough: 'Manhattan',
    name: 'Dj Reynolds Pub And Restaurant',
    restaurant_id: '30191841'
  },
  {
    address: { zipcode: '11218' },
    borough: 'Brooklyn',
```

    name: 'Carvel Ice Cream',

    restaurant_id: '40360076'

  },

  {

    address: { zipcode: '11209' },

    borough: 'Brooklyn',

    name: 'Nordic Delicacies',

    restaurant_id: '40361390'

  },

  {

    address: { zipcode: '11215' },

    borough: 'Brooklyn',

    name: 'The Movable Feast',

    restaurant_id: '40361606'

  },

  {

    address: { zipcode: '10003' },

    borough: 'Manhattan',

    name: "Bully'S Deli",

    restaurant_id: '40361708'

  }

]

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

Atlas atlas-1pn7kz-shard-0 [primary] sample_restaurants>
db.restaurants.find({},{"name":1,"borough":'Bronx','_id':0})

[

  { name: 'Riviera Caterer', borough: 'Bronx' },

  { name: "Wilken'S Fine Food", borough: 'Bronx' },

  { name: 'Kosher Island', borough: 'Bronx' },

  { name: "Wendy'S", borough: 'Bronx' },

  { name: 'Morris Park Bake Shop', borough: 'Bronx' },

  { name: 'Tov Kosher Kitchen', borough: 'Bronx' },

  { name: 'Brunos On The Boulevard', borough: 'Bronx' },

  { name: 'Regina Caterers', borough: 'Bronx' },

  { name: 'Taste The Tropics Ice Cream', borough: 'Bronx' },

  { name: 'Wild Asia', borough: 'Bronx' },

  { name: 'C & C Catering Service', borough: 'Bronx' },

  { name: 'Seuda Foods', borough: 'Bronx' },

  { name: 'May May Kitchen', borough: 'Bronx' },

  { name: '1 East 66Th Street Kitchen', borough: 'Bronx' },

  { name: 'Carvel Ice Cream', borough: 'Bronx' },

  { name: 'Dj Reynolds Pub And Restaurant', borough: 'Bronx' },

  { name: 'Carvel Ice Cream', borough: 'Bronx' },

  { name: 'Nordic Delicacies', borough: 'Bronx' },

  { name: 'The Movable Feast', borough: 'Bronx' },

{ name: "Bully'S Deli", borough: 'Bronx' }

]

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

Atlas atlas-1pn7kz-shard-0 [primary] sample_restaurants>
db.restaurants.find({},{"name":1,"borough":'Bronx','_id':0}).limit(5)

[

  { name: 'Riviera Caterer', borough: 'Bronx' },

  { name: "Wilken'S Fine Food", borough: 'Bronx' },

  { name: 'Kosher Island', borough: 'Bronx' },

  { name: "Wendy'S", borough: 'Bronx' },

  { name: 'Morris Park Bake Shop', borough: 'Bronx' }

]

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

Atlas atlas-1pn7kz-shard-0 [primary] sample_restaurants>
db.restaurants.find({},{"name":1,"borough":'Bronx','_id':0}).skip(5).limit(5)

[

  { name: 'Tov Kosher Kitchen', borough: 'Bronx' },

  { name: 'Brunos On The Boulevard', borough: 'Bronx' },

  { name: 'Regina Caterers', borough: 'Bronx' },

  { name: 'Taste The Tropics Ice Cream', borough: 'Bronx' },

  { name: 'Wild Asia', borough: 'Bronx' }

]

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

Atlas atlas-1pn7kz-shard-0 [primary] sample_restaurants>
db.restaurants.find({grades : { $elemMatch:{"score":{$gt : 90}}}});

[

 {

   _id: ObjectId("5eb3d668b31de5d588f42a92"),

   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"),

        grade: 'A',
```

```
          score: 13

      }

    ],

    name: "Murals On 54/Randolphs'S",

    restaurant_id: '40372466'

  },

  {

    id: ObjectId("5eb3d668b31de5d588f42b26"),

    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
    },
    {
        date: ISODate("2012-04-06T00:00:00.000Z"),
```

```
         grade: 'C',

         score: 92

      },

      {

         date: ISODate("2011-11-03T00:00:00.000Z"),

         grade: 'C',

         score: 41

      }

   ],

   name: 'Gandhi',

   restaurant_id: '40381295'

},

{

   _id: ObjectId("5eb3d668b31de5d588f42c88"),

   address: {

   building: '130',

   coord: [ -73.984758, 40.7457939 ],

   street: 'Madison Avenue',

   zipcode: '10016'

   },

   borough: 'Manhattan',

   cuisine: 'Pizza/Italian',
```

```
grades: [
  {
    date: ISODate("2014-12-24T00:00:00.000Z"),
    grade: 'Z',
    score: 31
  },
  {
    date: ISODate("2014-06-17T00:00:00.000Z"),
    grade: 'C',
    score: 98
  },
  {
    date: ISODate("2013-12-12T00:00:00.000Z"),
    grade: 'C',
    score: 32
  },
  {
    date: ISODate("2013-05-22T00:00:00.000Z"),
    grade: 'B',
    score: 21
  },
  {
```

```
        date: ISODate("2012-05-02T00:00:00.000Z"),

        grade: 'A',

        score: 11

      }

    ],

    name: 'Bella Napoli',

    restaurant_id: '40393488'

  },

  {

    id: ObjectId("5eb3d669b31de5d588f45cb1"),

    address: {

      building: '1724',

      coord: [ -73.94981, 40.780043 ],

      street: '2 Avenue',

      zipcode: '10128'

    },

    borough: 'Manhattan',

    cuisine: 'Indian',

    grades: [

      {

        date: ISODate("2014-09-25T00:00:00.000Z"),

        grade: 'A',
```

```
      score: 7

    },

    {

      date: ISODate("2014-03-20T00:00:00.000Z"),

      grade: 'A',

      score: 12

    },

    {

      date: ISODate("2013-09-09T00:00:00.000Z"),

      grade: 'B',

      score: 21

    },

    {

      date: ISODate("2013-03-25T00:00:00.000Z"),

      grade: 'B',

      score: 18

    },

    {

      date: ISODate("2012-08-15T00:00:00.000Z"),

      grade: 'A',

      score: 11

    },
```

{

            date: ISODate("2011-12-23T00:00:00.000Z"),

            grade: 'C',

            score: 98

        }

    ],

    name: "Baluchi'S Indian Food",

    restaurant_id: '41569277'

  }

]

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

 Atlas atlas-1pn7kz-shard-0 [primary] sample_restaurants> db.restaurants.find({grades : { $elemMatch:{"score":{$gt : 80 ,$lt : 100} }}});

[

  {

    _id: ObjectId("5eb3d668b31de5d588f42b26"),

    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

    },

    {

      date: ISODate("2012-04-06T00:00:00.000Z"),

      grade: 'C',

      score: 92

    },

    {

      date: ISODate("2011-11-03T00:00:00.000Z"),

      grade: 'C',

      score: 41

    }

  ],

  name: 'Gandhi',

  restaurant_id: '40381295'

},

{

  _id: ObjectId("5eb3d668b31de5d588f42c88"),

  address: {

    building: '130',

    coord: [ -73.984758, 40.7457939 ],
```

```
  street: 'Madison Avenue',

   zipcode: '10016'

 },

 borough: 'Manhattan',

 cuisine: 'Pizza/Italian',

 grades: [

  {

   date: ISODate("2014-12-24T00:00:00.000Z"),

   grade: 'Z',

   score: 31

  },

  {

   date: ISODate("2014-06-17T00:00:00.000Z"),

   grade: 'C',

   score: 98

  },

  {

   date: ISODate("2013-12-12T00:00:00.000Z"),

   grade: 'C',

   score: 32

  },

  {

   date: ISODate("2013-05-22T00:00:00.000Z"),
```

```
      grade: 'B',

      score: 21

    },

    {

      date: ISODate("2012-05-02T00:00:00.000Z"),

      grade: 'A',

      score: 11

    }

  ],

  name: 'Bella Napoli',

  restaurant_id: '40393488'

},

{

  _id: ObjectId("5eb3d668b31de5d588f434f5"),

  address: {

    building: '',

    coord: [ -74.0163793, 40.7167671 ],

    street: 'Hudson River',

    zipcode: '10282'

  },

  borough: 'Manhattan',

  cuisine: 'American',

  grades: [
```

```
    {

      date: ISODate("2014-06-27T00:00:00.000Z"),

      grade: 'C',

      score: 89

    },

    {

      date: ISODate("2013-06-06T00:00:00.000Z"),

      grade: 'A',

      score: 6

    },

    {

      date: ISODate("2012-06-19T00:00:00.000Z"),

      grade: 'A',

      score: 13

    }

  ],

  name: 'West 79Th Street Boat Basin Cafe',

  restaurant_id: '40756344'

},

{

  _id: ObjectId("5eb3d668b31de5d588f43a31"),

  address: {

    building: '7705',
```

```
      coord: [ -73.8878704, 40.7435875 ],

      street: 'Woodside Avenue',

      zipcode: '11373'

    },

    borough: 'Queens',

    cuisine: 'Thai',

    grades: [

      {

        date: ISODate("2014-05-12T00:00:00.000Z"),

        grade: 'B',

        score: 14

      },

      {

        date: ISODate("2013-11-20T00:00:00.000Z"),

        grade: 'C',

        score: 84

      },

      {

        date: ISODate("2012-09-18T00:00:00.000Z"),

        grade: 'A',

        score: 11

      },

      {
```

```
      date: ISODate("2012-05-03T00:00:00.000Z"),

      grade: 'B',

      score: 23

    }

  ],

  name: 'Spicy Shallot',

  restaurant_id: '40979431'

},

{

  _id: ObjectId("5eb3d668b31de5d588f43a69"),

  address: {

    building: '466',

    coord: [ -73.9747277, 40.7536114 ],

    street: 'Lexington Avenue',

    zipcode: '10017'

  },

  borough: 'Manhattan',

  cuisine: 'American',

  grades: [

    {

      date: ISODate("2014-10-14T00:00:00.000Z"),

      grade: 'C',

      score: 84
```

```
    },

    {

      date: ISODate("2014-02-14T00:00:00.000Z"),

      grade: 'A',

      score: 5

    },

    {

      date: ISODate("2013-07-11T00:00:00.000Z"),

      grade: 'A',

      score: 10

    },

    {

      date: ISODate("2013-01-29T00:00:00.000Z"),

      grade: 'C',

      score: 36

    },

    {

      date: ISODate("2012-08-15T00:00:00.000Z"),

      grade: 'A',

      score: 12

    },

    {

      date: ISODate("2012-03-22T00:00:00.000Z"),
```

```
      grade: 'B',

      score: 27

    }

  ],

  name: 'Bistro Caterers',

  restaurant_id: '40987023'

},

{

  _id: ObjectId("5eb3d668b31de5d588f44c00"),

  address: {

    building: '320',

    coord: [ -73.9934047, 40.7544014 ],

    street: 'West   37 Street',

    zipcode: '10018'

  },

  borough: 'Manhattan',

  cuisine: 'American',

  grades: [

    {

      date: ISODate("2014-09-16T00:00:00.000Z"),

      grade: 'C',

      score: 90

    },
```

```
    {

      date: ISODate("2014-02-21T00:00:00.000Z"),

      grade: 'B',

      score: 27

    },

    {

      date: ISODate("2012-10-01T00:00:00.000Z"),

      grade: 'A',

      score: 12

    },

    {

      date: ISODate("2012-03-01T00:00:00.000Z"),

      grade: 'A',

      score: 10

    }

  ],

  name: 'Concrete Restaurant',

  restaurant_id: '41363541'

},

{

  _id: ObjectId("5eb3d668b31de5d588f44fed"),

  address: {

    building: '222',
```

```
    coord: [ -73.9579033, 40.7332745 ],

    street: 'Franklin Street',

    zipcode: '11222'

},

borough: 'Brooklyn',

cuisine: 'Italian',

grades: [

  {

    date: ISODate("2014-12-11T00:00:00.000Z"),

    grade: 'Z',

    score: 18

  },

  {

    date: ISODate("2013-10-31T00:00:00.000Z"),

    grade: 'A',

    score: 12

  },

  {

    date: ISODate("2013-03-20T00:00:00.000Z"),

    grade: 'B',

    score: 24

  },

  {
```

```
    date: ISODate("2012-07-18T00:00:00.000Z"),

    grade: 'B',

    score: 18

   },

   {

    date: ISODate("2012-01-12T00:00:00.000Z"),

    grade: 'C',

    score: 81

   }

  ],

  name: 'Anella',

  restaurant_id: '41410058'

 },

 {

  _id: ObjectId("5eb3d669b31de5d588f45cb1"),

  address: {

   building: '1724',

   coord: [ -73.94981, 40.780043 ],

   street: '2 Avenue',

   zipcode: '10128'

  },

  borough: 'Manhattan',

  cuisine: 'Indian',
```

```
grades: [

  {

    date: ISODate("2014-09-25T00:00:00.000Z"),

    grade: 'A',

    score: 7

  },

  {

    date: ISODate("2014-03-20T00:00:00.000Z"),

    grade: 'A',

    score: 12

  },

  {

    date: ISODate("2013-09-09T00:00:00.000Z"),

    grade: 'B',

    score: 21

  },

  {

    date: ISODate("2013-03-25T00:00:00.000Z"),

    grade: 'B',

    score: 18

  },

  {

    date: ISODate("2012-08-15T00:00:00.000Z"),
```

```
      grade: 'A',

      score: 11

    },

    {

      date: ISODate("2011-12-23T00:00:00.000Z"),

      grade: 'C',

      score: 98

    }

  ],

  name: "Baluchi'S Indian Food",

  restaurant_id: '41569277'

},

{

  _id: ObjectId("5eb3d669b31de5d588f45d41"),

  address: {

    building: '116',

    coord: [ -73.98978509999999, 40.7487912 ],

    street: 'West   32 Street',

    zipcode: '10001'

  },

  borough: 'Manhattan',

  cuisine: 'American',

  grades: [
```

```
        {

            date: ISODate("2014-02-11T00:00:00.000Z"),

            grade: 'A',

            score: 11

        },

        {

            date: ISODate("2013-10-10T00:00:00.000Z"),

            grade: 'A',

            score: 11

        },

        {

            date: ISODate("2013-04-29T00:00:00.000Z"),

            grade: 'C',

            score: 82

        },

        {

            date: ISODate("2012-04-30T00:00:00.000Z"),

            grade: 'A',

            score: 11

        },

        {

            date: ISODate("2011-12-21T00:00:00.000Z"),

            grade: 'B',
```

```
      score: 19

    },

    {

      date: ISODate("2011-07-20T00:00:00.000Z"),

      grade: 'C',

      score: 29

    }

  ],

  name: 'Cafe R',

  restaurant_id: '41574642'

},

{

  _id: ObjectId("5eb3d669b31de5d588f471f7"),

  address: {

    building: '5616',

    coord: [ -74.009993, 40.638865 ],

    street: '7 Avenue',

    zipcode: '11220'

  },

  borough: 'Brooklyn',

  cuisine: 'Chinese',

  grades: [

    {
```

```
      date: ISODate("2014-11-24T00:00:00.000Z"),

      grade: 'C',

      score: 86

    },

    {

      date: ISODate("2014-06-24T00:00:00.000Z"),

      grade: 'B',

      score: 20

    },

    {

      date: ISODate("2014-01-07T00:00:00.000Z"),

      grade: 'A',

      score: 11

    },

    {

      date: ISODate("2013-06-13T00:00:00.000Z"),

      grade: 'A',

      score: 10

    }

  ],

  name: 'D & Y Restaurant',

  restaurant_id: '50000040'

},
```

```
{
  _id: ObjectId("5eb3d669b31de5d588f4850f"),
  address: {
    building: '1898',
    coord: [ -73.910439, 40.8499696 ],
    street: 'Jerome Avenue',
    zipcode: '10453'
  },
  borough: 'Bronx',
  cuisine: 'Latin (Cuban, Dominican, Puerto Rican, South & Central American)',
  grades: [
    {
      date: ISODate("2015-01-06T00:00:00.000Z"),
      grade: 'A',
      score: 10
    },
    {
      date: ISODate("2014-10-07T00:00:00.000Z"),
      grade: 'C',
      score: 82
    }
  ],
  name: 'La Potencia Restaurant',
```

restaurant_id: '50014192'

  }

]

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

Atlas atlas-1pn7kz-shard-0 [primary] sample_restaurants>
db.restaurants.find({"address.coord":{$lt: -95.754168}})

[

  {

    _id: ObjectId("5eb3d668b31de5d588f42f78"),

    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
},
{
  date: ISODate("2011-11-16T00:00:00.000Z"),
  grade: 'A',
```

```
      score: 7

    }

  ],

  name: 'Burger King',

  restaurant_id: '40534067'

},

{

  _id: ObjectId("5eb3d668b31de5d588f432db"),

  address: {

    building: '15259',

    coord: [ -119.6368672, 36.2504996 ],

    street: '10 Avenue',

    zipcode: '11357'

  },

  borough: 'Queens',

  cuisine: 'Italian',

  grades: [

    {

      date: ISODate("2014-09-04T00:00:00.000Z"),

      grade: 'A',

      score: 11

    },

    {
```

```
   date: ISODate("2014-03-26T00:00:00.000Z"),

   grade: 'A',

   score: 8

 },

 {

  date: ISODate("2013-03-04T00:00:00.000Z"),

  grade: 'A',

  score: 10

 },

 {

  date: ISODate("2012-09-27T00:00:00.000Z"),

  grade: 'A',

  score: 10

 },

 {

  date: ISODate("2012-04-20T00:00:00.000Z"),

  grade: 'A',

  score: 7

 },

 {

  date: ISODate("2011-11-23T00:00:00.000Z"),

  grade: 'C',

  score: 34
```

```
    }
  ],
  name: "Cascarino'S",
  restaurant_id: '40668681'
},
{
  _id: ObjectId("5eb3d668b31de5d588f4378d"),
  address: {
    building: '60',
    coord: [ -111.9975205, 42.0970258 ],
    street: 'West Side Highway',
    zipcode: '10006'
  },
  borough: 'Manhattan',
  cuisine: 'Japanese',
  grades: [
    {
      date: ISODate("2014-03-20T00:00:00.000Z"),
      grade: 'A',
      score: 9
    },
    {
      date: ISODate("2013-06-28T00:00:00.000Z"),
```

```
      grade: 'A',

      score: 11

    },

    {

      date: ISODate("2012-07-05T00:00:00.000Z"),

      grade: 'A',

      score: 13

    },

    {

      date: ISODate("2011-07-27T00:00:00.000Z"),

      grade: 'A',

      score: 2

    }

  ],

  name: 'Sports Center At Chelsea Piers (Sushi Bar)',

  restaurant_id: '40882356'

},

{

  _id: ObjectId("5eb3d668b31de5d588f43969"),

  address: {

    building: '524',

    coord: [ -122.3870832, 37.7606086 ],

    street: 'Beach   20 Street',
```

```
    zipcode: '11691'

  },

  borough: 'Queens',

  cuisine: 'Pizza',

  grades: [

    {

      date: ISODate("2014-09-24T00:00:00.000Z"),

      grade: 'Z',

      score: 15

    },

    {

      date: ISODate("2014-05-08T00:00:00.000Z"),

      grade: 'A',

      score: 12

    },

    {

      date: ISODate("2013-11-04T00:00:00.000Z"),

      grade: 'A',

      score: 12

    },

    {

      date: ISODate("2012-10-09T00:00:00.000Z"),

      grade: 'A',
```

```
      score: 12

    },

    {

      date: ISODate("2011-11-01T00:00:00.000Z"),

      grade: 'A',

      score: 12

    }

  ],

  name: "Domino'S Pizza",

  restaurant_id: '40949724'

},

{

  _id: ObjectId("5eb3d668b31de5d588f439f6"),

  address: {

    building: '6822',

    coord: [ -115.2372343, 36.1836718 ],

    street: 'Fresh Meadows Lane',

    zipcode: '11365'

  },

  borough: 'Queens',

  cuisine: 'Pizza/Italian',

  grades: [

    {
```

```
      date: ISODate("2014-03-08T00:00:00.000Z"),

      grade: 'A',

      score: 10

    },

    {

      date: ISODate("2013-02-13T00:00:00.000Z"),

      grade: 'A',

      score: 5

    },

    {

      date: ISODate("2012-07-16T00:00:00.000Z"),

      grade: 'A',

      score: 9

    },

    {

      date: ISODate("2011-07-12T00:00:00.000Z"),

      grade: 'A',

      score: 5

    }

  ],

  name: "Angelo & Al'S Pizzeria",

  restaurant_id: '40969851'

},
```

```
{
  _id: ObjectId("5eb3d668b31de5d588f44133"),
  address: {
    building: '845',
    coord: [ -120.4599938, 36.8606752 ],
    street: 'U N Plaza',
    zipcode: '10017'
  },
  borough: 'Manhattan',
  cuisine: 'Japanese',
  grades: [
    {
      date: ISODate("2014-10-02T00:00:00.000Z"),
      grade: 'A',
      score: 11
    },
    {
      date: ISODate("2014-03-21T00:00:00.000Z"),
      grade: 'A',
      score: 11
    },
    {
      date: ISODate("2013-04-16T00:00:00.000Z"),
```

```
      grade: 'B',

      score: 16

    },

    {

      date: ISODate("2012-05-08T00:00:00.000Z"),

      grade: 'A',

      score: 13

    }

  ],

  name: 'Megu Midtown',

  restaurant_id: '41167462'

},

{

  _id: ObjectId("5eb3d668b31de5d588f442ca"),

  address: {

    building: '4902',

    coord: [ -95.9220496, 36.0912513 ],

    street: 'East 49 Street',

    zipcode: '11203'

  },

  borough: 'Brooklyn',

  cuisine: 'Caribbean',

  grades: [
```

```
{

  date: ISODate("2014-06-17T00:00:00.000Z"),

  grade: 'A',

  score: 12

},

{

  date: ISODate("2013-06-18T00:00:00.000Z"),

  grade: 'A',

  score: 9

},

{

  date: ISODate("2013-01-31T00:00:00.000Z"),

  grade: 'A',

  score: 9

},

{

  date: ISODate("2012-08-09T00:00:00.000Z"),

  grade: 'A',

  score: 3

},

{

  date: ISODate("2012-07-24T00:00:00.000Z"),

  grade: 'P',
```

```
      score: 2

    },

    {

      date: ISODate("2012-03-08T00:00:00.000Z"),

      grade: 'B',

      score: 15

    },

    {

      date: ISODate("2011-10-03T00:00:00.000Z"),

      grade: 'A',

      score: 7

    }

  ],

  name: 'A&P Roti & Pastry Shop',

  restaurant_id: '41204137'

},

{

  _id: ObjectId("5eb3d668b31de5d588f44682"),

  address: {

    building: '20915',

    coord: [ -99.0640336, 40.7284015 ],

    street: 'East   56 Street',

    zipcode: '10022'
```

```
    },
    borough: 'Manhattan',
    cuisine: 'Italian',
    grades: [
      {
        date: ISODate("2014-06-12T00:00:00.000Z"),
        grade: 'A',
        score: 13
      },
      {
        date: ISODate("2014-01-09T00:00:00.000Z"),
        grade: 'A',
        score: 13
      },
      {
        date: ISODate("2013-05-31T00:00:00.000Z"),
        grade: 'A',
        score: 10
      },
      {
        date: ISODate("2012-09-27T00:00:00.000Z"),
        grade: 'A',
        score: 2
```

```
    },
    {
      date: ISODate("2012-03-28T00:00:00.000Z"),

      grade: 'A',

      score: 12

    },
    {
      date: ISODate("2011-09-23T00:00:00.000Z"),

      grade: 'C',

      score: 13

    }
  ],
  name: 'Fiorini',

  restaurant_id: '41270541'

},
{
  _id: ObjectId("5eb3d668b31de5d588f446d5"),

  address: {
    building: '5602',

    coord: [ -119.565005, 36.3924905 ],

    street: '6 Avenue',

    zipcode: '11220'

  },
```

```
    borough: 'Brooklyn',

    cuisine: 'Middle Eastern',

    grades: [

      {

        date: ISODate("2014-06-11T00:00:00.000Z"),

        grade: 'A',

        score: 9

      },

      {

        date: ISODate("2013-09-21T00:00:00.000Z"),

        grade: 'A',

        score: 10

      },

      {

        date: ISODate("2012-06-16T00:00:00.000Z"),

        grade: 'A',

        score: 9

      }

    ],

    name: 'Widdi Hall',

    restaurant_id: '41276825'

  },

  {
```

```
_id: ObjectId("5eb3d668b31de5d588f44867"),

address: {

  building: '13620',

  coord: [ -104.2081266, 39.6086401 ],

  street: '38 Avenue',

  zipcode: '11354'

},

borough: 'Queens',

cuisine: 'Café/Coffee/Tea',

grades: [

  {

    date: ISODate("2014-01-07T00:00:00.000Z"),

    grade: 'A',

    score: 4

  },

  {

    date: ISODate("2013-01-02T00:00:00.000Z"),

    grade: 'A',

    score: 7

  }

],

name: 'Rose House',

restaurant_id: '41303891'
```

```
  },
  {
    _id: ObjectId("5eb3d668b31de5d588f449c5"),
    address: {
      building: '13357',
      coord: [ -108.306687, 38.0890517 ],
      street: '41 Road',
      zipcode: '11355'
    },
    borough: 'Queens',
    cuisine: 'Bakery',
    grades: [
      {
        date: ISODate("2014-04-14T00:00:00.000Z"),
        grade: 'A',
        score: 11
      },
      {
        date: ISODate("2013-04-10T00:00:00.000Z"),
        grade: 'A',
        score: 5
      },
      {
```

```
      date: ISODate("2012-04-05T00:00:00.000Z"),

      grade: 'A',

      score: 11

    },

    {

      date: ISODate("2011-11-09T00:00:00.000Z"),

      grade: 'A',

      score: 8

    },

    {

      date: ISODate("2011-06-22T00:00:00.000Z"),

      grade: 'A',

      score: 9

    }

  ],

  name: 'New Sun Mary Bakery',

  restaurant_id: '41323353'

},

{

  _id: ObjectId("5eb3d669b31de5d588f4547f"),

  address: {

    building: '24-28',

    coord: [ -105.7857603, 39.9472999 ],
```

```
  street: 'Hughes Avenue',

   zipcode: '10458'

 },

 borough: 'Bronx',

 cuisine: 'Mexican',

 grades: [

   {

    date: ISODate("2014-12-04T00:00:00.000Z"),

    grade: 'A',

    score: 13

   },

   {

    date: ISODate("2014-06-28T00:00:00.000Z"),

    grade: 'A',

    score: 12

   },

   {

    date: ISODate("2013-05-02T00:00:00.000Z"),

    grade: 'A',

    score: 12

   }

 ],

 name: 'El Oasis Bar Restaurant',
```

```
    restaurant_id: '41469687'

  },

  {

    _id: ObjectId("5eb3d669b31de5d588f45818"),

    address: {

      building: '13617',

      coord: [ -104.8340205, 39.7691992 ],

      street: '38 Avenue',

      zipcode: '11354'

    },

    borough: 'Queens',

    cuisine: 'Chinese/Japanese',

    grades: [

      {

        date: ISODate("2014-12-04T00:00:00.000Z"),

        grade: 'A',

        score: 9

      },

      {

        date: ISODate("2014-06-25T00:00:00.000Z"),

        grade: 'A',

        score: 8

      },
```

```
   {

     date: ISODate("2013-12-11T00:00:00.000Z"),

     grade: 'A',

     score: 13

   },

   {

     date: ISODate("2013-06-19T00:00:00.000Z"),

     grade: 'A',

     score: 10

   },

   {

     date: ISODate("2012-06-27T00:00:00.000Z"),

     grade: 'A',

     score: 7

   },

   {

     date: ISODate("2011-12-07T00:00:00.000Z"),

     grade: 'B',

     score: 17

   }

 ],

 name: 'Minni Shabu Shabu',

 restaurant_id: '41513285'
```

```
  },
  {
    _id: ObjectId("5eb3d669b31de5d588f459b7"),
   address: {
     building: '5371',
     coord: [ -119.6684796, 36.3280082 ],
     street: 'Kings Plaza Mall',
     zipcode: '11234'
   },
   borough: 'Brooklyn',
   cuisine: 'Ice Cream, Gelato, Yogurt, Ices',
   grades: [
     {
       date: ISODate("2014-12-08T00:00:00.000Z"),
       grade: 'B',
       score: 14
     },
     {
       date: ISODate("2014-06-26T00:00:00.000Z"),
       grade: 'A',
       score: 10
     },
     {
```

```
      date: ISODate("2013-05-23T00:00:00.000Z"),

      grade: 'A',

      score: 10

     },

     {

      date: ISODate("2012-06-05T00:00:00.000Z"),

      grade: 'A',

      score: 7

     }

   ],

   name: "Everything Yogurt/Gretel'S Pretzels",

   restaurant_id: '41539001'

 },

 {

   _id: ObjectId("5eb3d669b31de5d588f45c1a"),

   address: {

    building: '15059',

    coord: [ -114.6787351, 33.4631523 ],

    street: '34 Avenue',

    zipcode: '11354'

   },

   borough: 'Queens',

   cuisine: 'Delicatessen',
```

```
    grades: [
      {
        date: ISODate("2014-09-04T00:00:00.000Z"),
        grade: 'A',
        score: 7
      },
      {
        date: ISODate("2013-08-29T00:00:00.000Z"),
        grade: 'A',
        score: 3
      },
      {
        date: ISODate("2013-04-08T00:00:00.000Z"),
        grade: 'A',
        score: 12
      }
    ],
    name: "George'S Sidestreet Deli & Grill",
    restaurant_id: '41563549'
  },
  {
    _id: ObjectId("5eb3d669b31de5d588f45e89"),
    address: {
```

```
    building: '30012',

    coord: [ -100.707166, 47.13706149999999 ],

    street: 'East  52 Street',

    zipcode: '10022'

  },

  borough: 'Manhattan',

  cuisine: 'Mediterranean',

  grades: [

    {

      date: ISODate("2014-06-26T00:00:00.000Z"),

      grade: 'A',

      score: 10

    },

    {

      date: ISODate("2013-12-10T00:00:00.000Z"),

      grade: 'A',

      score: 5

    },

    {

      date: ISODate("2013-05-01T00:00:00.000Z"),

      grade: 'A',

      score: 13

    },
```

```
    {

      date: ISODate("2012-02-23T00:00:00.000Z"),

      grade: 'A',

      score: 10

    },

    {

      date: ISODate("2011-10-18T00:00:00.000Z"),

      grade: 'A',

      score: 12

    }

  ],

  name: 'Pierre Loti Midtown',

  restaurant_id: '41588029'

},

{

  _id: ObjectId("5eb3d669b31de5d588f46479"),

  address: {

    building: '7608',

    coord: [ -121.4158208, 38.5319584 ],

    street: '21St Ave',

    zipcode: '11370'

  },

  borough: 'Bronx',
```

cuisine: 'Italian',

grades: [

  {

    date: ISODate("2014-10-01T00:00:00.000Z"),

    grade: 'C',

    score: 32

  },

  {

    date: ISODate("2014-03-13T00:00:00.000Z"),

    grade: 'B',

    score: 18

  },

  {

    date: ISODate("2013-05-21T00:00:00.000Z"),

    grade: 'A',

    score: 9

  },

  {

    date: ISODate("2012-11-27T00:00:00.000Z"),

    grade: 'A',

    score: 12

  },

  {

```
      date: ISODate("2012-02-27T00:00:00.000Z"),

      grade: 'A',

      score: 2

    }

  ],

  name: "Antonio'S",

  restaurant_id: '41636621'

},

{

  _id: ObjectId("5eb3d669b31de5d588f46918"),

  address: {

    building: '1418',

    coord: [ -97.40487, 27.7767669 ],

    street: 'Elizabeth Street',

    zipcode: '10013'

  },

  borough: 'Manhattan',

  cuisine: 'Chinese',

  grades: [

    {

      date: ISODate("2014-03-17T00:00:00.000Z"),

      grade: 'A',

      score: 8
```

```
      },

      {

        date: ISODate("2013-09-20T00:00:00.000Z"),

        grade: 'A',

        score: 10

      },

      {

        date: ISODate("2013-04-08T00:00:00.000Z"),

        grade: 'A',

        score: 10

      },

      {

        date: ISODate("2012-09-25T00:00:00.000Z"),

        grade: 'A',

        score: 5

      }

    ],

    name: 'Mini Express',

    restaurant_id: '41672159'

  },

  {

    _id: ObjectId("5eb3d669b31de5d588f4692a"),

    address: {
```

```
    building: '0',

    coord: [ -157.8887924, 21.3158403 ],

    street: 'Pier   86',

    zipcode: '10036'

},

borough: 'Manhattan',

cuisine: 'Sandwiches/Salads/Mixed Buffet',

grades: [

  {

    date: ISODate("2014-12-30T00:00:00.000Z"),

    grade: 'Z',

    score: 24

  },

  {

    date: ISODate("2014-06-27T00:00:00.000Z"),

    grade: 'A',

    score: 3

  },

  {

    date: ISODate("2013-06-05T00:00:00.000Z"),

    grade: 'A',

    score: 2

  },
```

```
      {

        date: ISODate("2012-07-23T00:00:00.000Z"),

        grade: 'A',

        score: 11

      }

    ],

    name: 'Au Bon Pain',

    restaurant_id: '41673043'

  },

  {

    _id: ObjectId("5eb3d669b31de5d588f469e6"),

    address: {

      building: '13933',

      coord: [ -96.702326, 43.8332898 ],

      street: '245 Street',

      zipcode: '11422'

    },

    borough: 'Queens',

    cuisine: 'American',

    grades: [

      {

        date: ISODate("2014-11-19T00:00:00.000Z"),

        grade: 'A',
```

```
        score: 4
      },
      {
        date: ISODate("2014-05-30T00:00:00.000Z"),
        grade: 'A',
        score: 5
      },
      {
        date: ISODate("2013-03-27T00:00:00.000Z"),
        grade: 'A',
        score: 8
      },
      {
        date: ISODate("2012-10-17T00:00:00.000Z"),
        grade: 'A',
        score: 4
      }
    ],
    name: 'Checkers',
    restaurant_id: '41679636'
  }
]
```

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

12. Write a MongoDB query to find the restaurants which do not prepare any cuisine of 'American' and achieved a score more than 70 and located in the longitude less than -65.754168.
Note : Do this query without using $and operator.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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