**Title: To understand the concepts of NoSQL Database**

**Objective:** Students will be able to implement the concept of NoSQL Database MongoDB.

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

Creating hotel/Restraunt collection:

db.Restraunt.insertMany([

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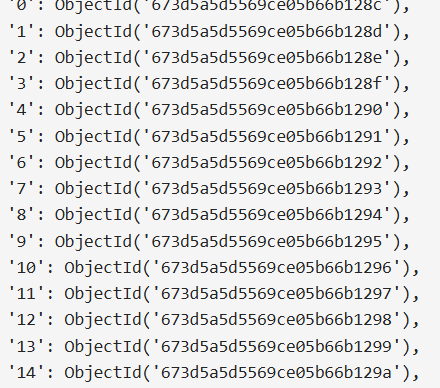
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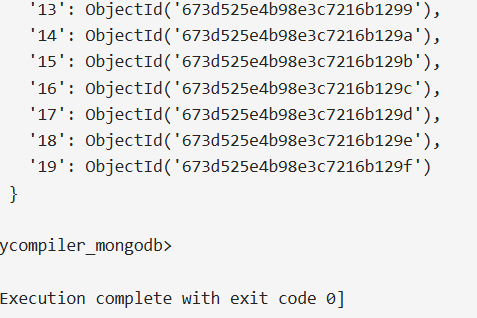
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])

Display: db.Restraunt.find();





1. Write a MongoDB query to display the fields hotel\_id, name, Borough and cuisine for all the documents in the collection hotel.

db.Restraunt.find({},{restraunt\_id:1,name:1,borough:1,cuisine:1,\_id:0});

1. Write a MongoDB query to display the fields hotel\_id, name, Borough and cuisine, but exclude the field \_id for all the documents in the collection hotel.

db.Restraunt.find({},{restraunt\_id:1,name:1,borough:1,cuisine:1},{field\_id:0});

1. Write a MongoDB query to display the fields hotel\_id, name, Borough and zip code, but exclude the field \_id for all the documents in the collection hotel. hotel

db.Restraunt.find({},{restraunt\_id:1,name:1,borough:1,zipcode:1},{field\_id:0});

1. Write a MongoDB query to display all the hotel which is in the Borough Bronx.

db.Restraunt.find({borough:"Bronx"});

OUTPUT:

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insertedIds: {

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zipcode: '10462'

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cuisine: 'Bakery',

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name: 'Morris Park Bake Shop',

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borough: 'Brooklyn',

cuisine: 'Hamburgers',

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restaurant\_id: '30112340'

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coord: [ -73.98513559999999, 40.7676919 ],

street: 'West 57 Street',

zipcode: '10019'

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borough: 'Manhattan',

cuisine: 'Irish',

grades: [

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grades: [

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{ date: { '$date': 1334275200000 }, grade: 'A', score: 12 },

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street: '63 Road',

zipcode: '11374'

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street: 'Astoria Boulevard',

zipcode: '11369'

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borough: 'Queens',

cuisine: 'American ',

grades: [

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{ date: { '$date': 1362182400000 }, grade: 'A', score: 7 },

{ date: { '$date': 1328832000000 }, grade: 'A', score: 13 }

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address: {

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street: 'Victory Boulevard',

zipcode: '10314'

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borough: 'Staten Island',

cuisine: 'Jewish/Kosher',

grades: [

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name: 'Kosher Island',

restaurant\_id: '40356442'

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coord: [ -73.9068506, 40.6199034 ],

street: 'Avenue U',

zipcode: '11234'

},

borough: 'Brooklyn',

cuisine: 'Delicatessen',

grades: [

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{ date: { '$date': 1389657600000 }, grade: 'A', score: 10 },

{ date: { '$date': 1375488000000 }, grade: 'A', score: 8 },

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{ date: { '$date': 1331251200000 }, grade: 'A', score: 13 },

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cuisine: 'American ',

grades: [

{ date: { '$date': 1405641600000 }, grade: 'A', score: 12 },

{ date: { '$date': 1375142400000 }, grade: 'A', score: 12 },

{ date: { '$date': 1360713600000 }, grade: 'A', score: 11 },

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zipcode: '11226'

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borough: 'Brooklyn',

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

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{ date: { '$date': 1329955200000 }, grade: 'A', score: 8 }

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coord: [ -73.8786113, 40.8502883 ],

street: 'Southern Boulevard',

zipcode: '10460'

},

borough: 'Bronx',

cuisine: 'American ',

grades: [

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{ date: { '$date': 1371600000000 }, grade: 'A', score: 4 },

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street: '18 Avenue',

zipcode: '11214'

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restaurant\_id: '40357437'

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address: {

building: '1269',

coord: [ -73.871194, 40.6730975 ],

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zipcode: '11208'

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borough: 'Brooklyn',

cuisine: 'Chinese',

grades: [

{ date: { '$date': 1410825600000 }, grade: 'B', score: 21 },

{ date: { '$date': 1377648000000 }, grade: 'A', score: 7 },

{ date: { '$date': 1364860800000 }, grade: 'C', score: 56 },

{ date: { '$date': 1344988800000 }, grade: 'B', score: 27 },

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restaurant\_id: '40358429'

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coord: [ -73.9653967, 40.6064339 ],

street: 'Kings Highway',

zipcode: '11223'

},

borough: 'Brooklyn',

cuisine: 'Jewish/Kosher',

grades: [

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{ date: { '$date': 1337558400000 }, grade: 'A', score: 9 },

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restaurant\_id: '40360045'

},

{

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address: {

building: '203',

coord: [ -73.97822040000001, 40.6435254 ],

street: 'Church Avenue',

zipcode: '11218'

},

borough: 'Brooklyn',

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

grades: [

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building: '265-15',

coord: [ -73.7032601, 40.7386417 ],

street: 'Hillside Avenue',

zipcode: '11004'

},

borough: 'Queens',

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

grades: [

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{ date: { '$date': 1348099200000 }, grade: 'A', score: 13 }

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restaurant\_id: '40361322'

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address: {

building: '6909',

coord: [ -74.0259567, 40.6353674 ],

street: '3 Avenue',

zipcode: '11209'

},

borough: 'Brooklyn',

cuisine: 'Delicatessen',

grades: [

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{ date: { '$date': 1393977600000 }, grade: 'A', score: 3 },

{ date: { '$date': 1357776000000 }, grade: 'A', score: 10 }

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restaurant\_id: '40361390'

},

{

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address: {

building: '522',

coord: [ -73.95171, 40.767461 ],

street: 'East 74 Street',

zipcode: '10021'

},

borough: 'Manhattan',

cuisine: 'American ',

grades: [

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{ date: { '$date': 1354838400000 }, grade: 'A', score: 13 },

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name: 'Glorious Food',

restaurant\_id: '40361521'

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building: '284',

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{ date: { '$date': 1354665600000 }, grade: 'A', score: 13 },

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name: 'The Movable Feast',

restaurant\_id: '40361606'

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mycompiler\_mongodb> [

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cuisine: 'Bakery',

name: 'Morris Park Bake Shop'

},

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{

borough: 'Manhattan',

cuisine: 'Irish',

name: 'Dj Reynolds Pub And Restaurant'

},

{

borough: 'Brooklyn',

cuisine: 'American ',

name: 'Riviera Caterer'

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},

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borough: 'Queens',

cuisine: 'American ',

name: 'Brunos On The Boulevard'

},

{

borough: 'Staten Island',

cuisine: 'Jewish/Kosher',

name: 'Kosher Island'

},

{

borough: 'Brooklyn',

cuisine: 'Delicatessen',

name: "Wilken'S Fine Food"

},

{

borough: 'Brooklyn',

cuisine: 'American ',

name: 'Regina Caterers'

},

{

borough: 'Brooklyn',

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

name: 'Taste The Tropics Ice Cream'

},

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

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borough: 'Brooklyn',

cuisine: 'American ',

name: 'C & C Catering Service'

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{

borough: 'Brooklyn',

cuisine: 'Jewish/Kosher',

name: 'Seuda Foods'

},

{

borough: 'Brooklyn',

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

name: 'Carvel Ice Cream'

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{

borough: 'Queens',

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

name: 'Carvel Ice Cream'

},

{

borough: 'Brooklyn',

cuisine: 'Delicatessen',

name: 'Nordic Delicacies'

},

{ borough: 'Manhattan', cuisine: 'American ', name: 'Glorious Food' },

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name: "Wendy'S"

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cuisine: 'Irish',

name: 'Dj Reynolds Pub And Restaurant'

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name: 'Kosher Island'

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name: "Wilken'S Fine Food"

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name: 'Regina Caterers'

},

{

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{

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borough: 'Bronx',

cuisine: 'American ',

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name: 'C & C Catering Service'

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cuisine: 'Chinese',

name: 'May May Kitchen'

},

{

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borough: 'Manhattan',

cuisine: 'American ',

name: '1 East 66Th Street Kitchen'

},

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name: 'Seuda Foods'

},

{

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borough: 'Brooklyn',

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

name: 'Carvel Ice Cream'

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borough: 'Queens',

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

name: 'Carvel Ice Cream'

},

{

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borough: 'Brooklyn',

cuisine: 'Delicatessen',

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name: 'The Movable Feast'

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borough: 'Brooklyn',

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name: 'The Movable Feast'

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zipcode: '10462'

},

borough: 'Bronx',

cuisine: 'Bakery',

grades: [

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name: 'Morris Park Bake Shop',

restaurant\_id: '30075445'

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address: {

building: '2300',

coord: [ -73.8786113, 40.8502883 ],

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restaurant\_id: '40357217'

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zipcode: '11225'

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zipcode: '10019'

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zipcode: '11374'

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zipcode: '11369'

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street: 'East 66 Street',

zipcode: '10065'

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street: 'Kings Highway',

zipcode: '11223'

}

},

{

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building: '203',

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street: 'Church Avenue',

zipcode: '11218'

}

},

{

\_id: ObjectId('673d5a5d5569ce05b66b129c'),

address: {

building: '265-15',

coord: [ -73.7032601, 40.7386417 ],

street: 'Hillside Avenue',

zipcode: '11004'

}

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{

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address: {

building: '6909',

coord: [ -74.0259567, 40.6353674 ],

street: '3 Avenue',

zipcode: '11209'

}

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{

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address: {

building: '522',

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street: 'East 74 Street',

zipcode: '10021'

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coord: [ -73.9829239, 40.6580753 ],

street: 'Prospect Park West',

zipcode: '11215'

}

}

]

mycompiler\_mongodb>

mycompiler\_mongodb> Uncaught:

SyntaxError: Unexpected token, expected "," (1:39)

> 1 | db.Restraunt.find({},"address.building":1,"address.coord":1);

| ^

2 |

mycompiler\_mongodb>

[Execution complete with exit code 0]