

❏ mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

```
test> use Restaurants
switched to db Restaurants
Restaurants> db.createCollection("REST1")
MongoServerError[NamespaceExists]: Collection Restaurants.REST1 already exists.
Restaurants> db.REST1.insertOne({
...   "address": {
...     "building": "1007",
...     "coord": [ -73.856077, 40.848447 ],
...     "street": "Morris Park Ave",
...     "zipcode": "10462"
...   },
...   "borough": "Bronx",
...   "cuisine": "Bakery",
...   "grades": [
...     { "date": { "$date": 1393804800000 }, "grade": "A", "score": 2 },
...     { "date": { "$date": 1378857600000 }, "grade": "A", "score": 6 },
...     { "date": { "$date": 1358985600000 }, "grade": "A", "score": 10 },
...     { "date": { "$date": 1322006400000 }, "grade": "A", "score": 9 },
...     { "date": { "$date": 1299715200000 }, "grade": "B", "score": 14 }
...   ],
...   "name": "Morris Park Bake Shop",
...   "restaurant_id": "30075445"
... })
{
  acknowledged: true,
  insertedId: ObjectId('68e360e515405aaa4acebea4')
}
Restaurants> db.REST1.find()
[
  {
    _id: ObjectId('68e35ecc7b8ebb08a7cebea4'),
    address: {
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'Bakery',
    grades: [
      { date: { '$date': 1393804800000 }, grade: 'A', score: 2 },
      { date: { '$date': 1378857600000 }, grade: 'A', score: 6 },
      { date: { '$date': 1358985600000 }, grade: 'A', score: 10 },
      { date: { '$date': 1322006400000 }, grade: 'A', score: 9 },
      { date: { '$date': 1299715200000 }, grade: 'B', score: 14 }
    ],
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  },
  {
    _id: ObjectId('68e360e515405aaa4acebea4'),
    address: {
```

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```
    address: {
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'Bakery',
    grades: [
      { date: { '$date': 1393804800000 }, grade: 'A', score: 2 },
      { date: { '$date': 1378857600000 }, grade: 'A', score: 6 },
      { date: { '$date': 1358985600000 }, grade: 'A', score: 10 },
      { date: { '$date': 1322006400000 }, grade: 'A', score: 9 },
      { date: { '$date': 1299715200000 }, grade: 'B', score: 14 }
    ],
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  }
]
Restaurants> db.REST1.find({}, { restaurant_id: 1, name: 1, borough: 1, cuisine: 1 })
[
  {
    _id: ObjectId('68e35ecc7b8ebb08a7cebea4'),
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  },
  {
    _id: ObjectId('68e360e515405aaa4acebea4'),
    borough: 'Bronx',
    cuisine: 'Bakery',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  }
]
Restaurants> db.REST1.find({ borough: "Bronx" })
[
  {
    _id: ObjectId('68e35ecc7b8ebb08a7cebea4'),
    address: {
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },
    borough: 'Bronx',
    cuisine: 'Bakery',
    grades: [
      { date: { '$date': 1393804800000 }, grade: 'A', score: 2 },
      { date: { '$date': 1378857600000 }, grade: 'A', score: 6 },
      { date: { '$date': 1358985600000 }, grade: 'A', score: 10 },
```

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```
{ date: { '$date': 1358985600000 }, grade: 'A', score: 10 },
{ date: { '$date': 1322006400000 }, grade: 'A', score: 9 },
{ date: { '$date': 1299715200000 }, grade: 'B', score: 14 }
],
name: 'Morris Park Bake Shop',
restaurant_id: '30075445'
},
{
  _id: ObjectId('68e360e515405aaa4acebea4'),
  address: {
    building: '1007',
    coord: [ -73.856077, 40.848447 ],
    street: 'Morris Park Ave',
    zipcode: '10462'
  },
  borough: 'Bronx',
  cuisine: 'Bakery',
  grades: [
    { date: { '$date': 1393804800000 }, grade: 'A', score: 2 },
    { date: { '$date': 1378857600000 }, grade: 'A', score: 6 },
    { date: { '$date': 1358985600000 }, grade: 'A', score: 10 },
    { date: { '$date': 1322006400000 }, grade: 'A', score: 9 },
    { date: { '$date': 1299715200000 }, grade: 'B', score: 14 }
  ],
  name: 'Morris Park Bake Shop',
  restaurant_id: '30075445'
}
]
Restaurants> db.REST1.find({}, { restaurant_id: 1, name: 1, borough: 1, "address.zipcode": 1, _id: 0 })
[
  {
    address: { zipcode: '10462' },
    borough: 'Bronx',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  },
  {
    address: { zipcode: '10462' },
    borough: 'Bronx',
    name: 'Morris Park Bake Shop',
    restaurant_id: '30075445'
  }
]
Restaurants> db.REST1.find({"grades.score":{$gt:90}})
TypeError: db.REST1.find is not a function
Restaurants> db.REST1.find ({"grades.score":{$gt:90}})
TypeError: db.REST1.find is not a function
Restaurants> db.REST1.find({"grades.score":{$gt:90}})
Restaurants> db.REST1.find({"grades.score":{$gt:10}})
[
  {
```

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```
{
  _id: ObjectId('68e35ecc7b8ebb08a7cebea4'),
  address: {
    building: '1007',
    coord: [ -73.856077, 40.848447 ],
    street: 'Morris Park Ave',
    zipcode: '10462'
  },
  borough: 'Bronx',
  cuisine: 'Bakery',
  grades: [
    { date: { '$date': 1393804800000 }, grade: 'A', score: 2 },
    { date: { '$date': 1378857600000 }, grade: 'A', score: 6 },
    { date: { '$date': 1358985600000 }, grade: 'A', score: 10 },
    { date: { '$date': 1322006400000 }, grade: 'A', score: 9 },
    { date: { '$date': 1299715200000 }, grade: 'B', score: 14 }
  ],
  name: 'Morris Park Bake Shop',
  restaurant_id: '30075445'
},
{
  _id: ObjectId('68e360e515405aaa4acebea4'),
  address: {
    building: '1007',
    coord: [ -73.856077, 40.848447 ],
    street: 'Morris Park Ave',
    zipcode: '10462'
  },
  borough: 'Bronx',
  cuisine: 'Bakery',
  grades: [
    { date: { '$date': 1393804800000 }, grade: 'A', score: 2 },
    { date: { '$date': 1378857600000 }, grade: 'A', score: 6 },
    { date: { '$date': 1358985600000 }, grade: 'A', score: 10 },
    { date: { '$date': 1322006400000 }, grade: 'A', score: 9 },
    { date: { '$date': 1299715200000 }, grade: 'B', score: 14 }
  ],
  name: 'Morris Park Bake Shop',
  restaurant_id: '30075445'
}
]
Restaurants> db.REST1.find({"grades.score":{$gt:10,$lt:100}})
[
  {
    _id: ObjectId('68e35ecc7b8ebb08a7cebea4'),
    address: {
      building: '1007',
      coord: [ -73.856077, 40.848447 ],
      street: 'Morris Park Ave',
      zipcode: '10462'
    },
    borough: 'Bronx',
```

```

    street: 'Morris Park Ave',
    zipcode: '10462'
  },
  borough: 'Bronx',
  cuisine: 'Bakery',
  grades: [
    { date: { '$date': 1393804800000 }, grade: 'A', score: 2 },
    { date: { '$date': 1378857600000 }, grade: 'A', score: 6 },
    { date: { '$date': 1358985600000 }, grade: 'A', score: 10 },
    { date: { '$date': 1322006400000 }, grade: 'A', score: 9 },
    { date: { '$date': 1299715200000 }, grade: 'B', score: 14 }
  ],
  name: 'Morris Park Bake Shop',
  restaurant_id: '30075445'
},
{
  _id: ObjectId('68e360e515405aaa4acebea4'),
  address: {
    building: '1007',
    coord: [ -73.856077, 40.848447 ],
    street: 'Morris Park Ave',
    zipcode: '10462'
  },
  borough: 'Bronx',
  cuisine: 'Bakery',
  grades: [
    { date: { '$date': 1393804800000 }, grade: 'A', score: 2 },
    { date: { '$date': 1378857600000 }, grade: 'A', score: 6 },
    { date: { '$date': 1358985600000 }, grade: 'A', score: 10 },
    { date: { '$date': 1322006400000 }, grade: 'A', score: 9 },
    { date: { '$date': 1299715200000 }, grade: 'B', score: 14 }
  ],
  name: 'Morris Park Bake Shop',
  restaurant_id: '30075445'
}
]
Restaurants> db.REST1.find({"grades.score":{$gt:80,$lt:100}})

Restaurants>

```