

Exercise 2: Projections, Query and Sorting

Robo 3T - 1.3 interface showing a MongoDB query for Japanese restaurants in Brooklyn. The query is: `db.restaurants.find({'cuisine': {'$eq': 'Japanese'}}, {'_id':1, 'cuisine':1, 'name':1, 'city':1, 'restaurant_id':1}).sort({'restaurant_id':1}).`

_id	city	cuisine	name	restaurant_id
1	Brooklyn	Japanese	Iron Chef House	40397699
2	Brooklyn	Japanese	Wasabi Sushi	40398000

Exercise 3: Logical and Comparison Operators

Robo 3T - 1.3 interface showing a MongoDB query for Delicatessen restaurants in Queens. The query is: `db.restaurants.find({'cuisine': {'$eq': 'Delicatessen'}}, {'city': {'$ne': 'Brooklyn'}}), {'cuisine':1, 'name':1, 'city':1}).sort({'name':1}).`

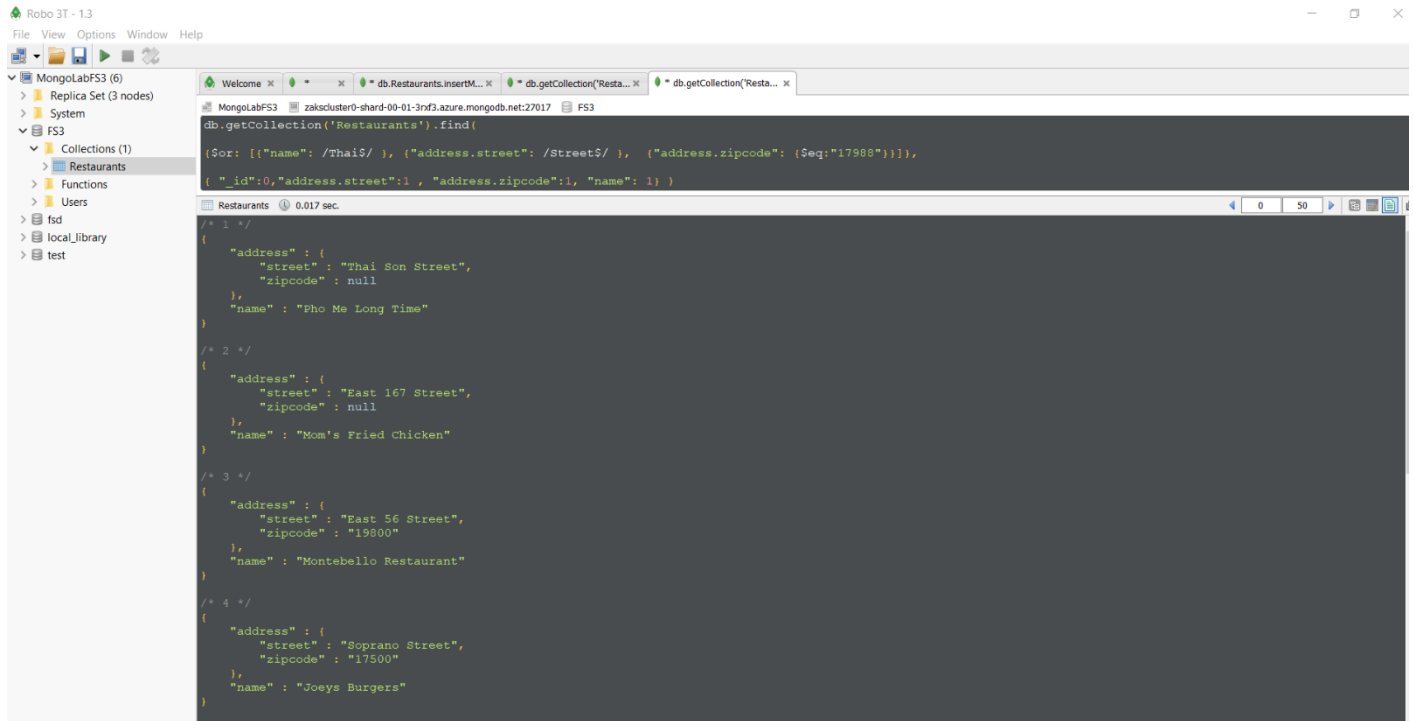
_id	city	cuisine	name
1	Queens	Delicatessen	Big Tony's Sandwich Buffet
2	Queens	Delicatessen	The Godfather Panini Express

Exercise 4: Multiple Operators

Robo 3T - 1.3 interface showing a MongoDB query for restaurants in Queens, Staten Island, and Bronx, sorted by restaurant_id. The query is: `db.restaurants.find({'city': {'$in': ['Queens', 'Staten Island', 'Bronx']}}, {'cuisine': {'$in': ['Bakery', 'Chicken', 'Hamburgers', 'American']}}, {'restaurant_id': {'$gt': '4000000'}}), {'_id': 0, 'cuisine':1, 'name':1, 'city':1, 'restaurant_id': 1}).sort({'restaurant_id': -1}).`

city	cuisine	name	restaurant_id
Queens	American	Bruno's on the Boulevard	40397678
Staten Island	Hamburgers	Joeys Burgers	40397555
Bronx	Chicken	Mom's Fried Chicken	40382900

Exercise 5: Filtering on Array Columns



The screenshot shows the Robo 3T - 1.3 interface. On the left, the database structure is visible, including a 'Restaurants' collection. The main window displays a MongoDB query and its results.

Query:

```
db.getCollection('Restaurants').find(
  { $or: [ { "name": /Thai$/ }, { "address.street": /Street$/ }, { "address.zipcode": { $eq: "17988" } } ] },
  { "_id": 0, "address.street": 1, "address.zipcode": 1, "name": 1 } )
```

Results:

name	address.street	address.zipcode
Pho Me Long Time	Thai Son Street	null
Mom's Fried Chicken	East 167 Street	null
Montebello Restaurant	East 56 Street	19800
Joeys Burgers	Soprano Street	17500