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**Section:** IT 2B

**Screenshot:**

**A screenshot of a computer

Description automatically generated**

**Explanation:**

First, I used ***insertMany*** to insert 15 documents in the collection named “restaurants”. Those documents are about restaurants and their score. Some restaurants got greater than 80 score, some did not.

Next, I used the find, so that it will return the document I needed. I then used comparison query to specify what documents I needed. First, the ***$gt*** stands for greater than. While ***$lt*** stands for less than. So, when I run the code, it would only return the documents with scores greater than 80, but less than 100.

**Code:**

db.restaurants.insertMany([

{ place: 'Manhattan', cuisine: 'Irish', name: "Dj Reynolds", restaurant\_id: "090328", grade: 'A', score: 90},

{ place: 'Bronx', cuisine: 'Bakery', name: "Moris Bakeshop", restaurant\_id: "093247857827594", grade: 'B', score: 80 },

{ place: 'Broklin', cuisine: 'American', name: "Rivera Caterer", restaurant\_id: "312312153", grade: 'C', score: 70 },

{ place: 'Queens', cuisine: 'Jewish', name: "Tov Kosher Kitchen", restaurant\_id: "1231256", grade: 'A+', score: 95 },

{ place: 'Queens', cuisine: 'American', name: "Brunos On The Boulevard", restaurant\_id: "84765438", grade: 'A++', score: 100 },

{ place: 'Manhattan', cuisine: 'Vegan', name: 'Green Leaf', restaurant\_id: '090336', grade: 'A', score: 94 },

{ place: 'Bronx', cuisine: 'Caribbean', name: 'Tropical Taste', restaurant\_id: '090337', grade: 'B', score: 80 },

{ place: 'Staten Island', cuisine: 'Thai', name: 'Bangkok Spice', restaurant\_id: '090338', grade: 'A', score: 90 },

{ place: 'Manhattan', cuisine: 'Indian', name: 'Curry Palace', restaurant\_id: '090339', grade: 'B', score: 84 },

{ place: 'Brooklyn', cuisine: 'Moroccan', name: 'Casablanca Nights', restaurant\_id: '090340', grade: 'C', score: 75 },

{ place: 'Queens', cuisine: 'Ethiopian', name: 'Blue Nile', restaurant\_id: '090341', grade: 'A', score: 91 },

{ place: 'Bronx', cuisine: 'Turkish', name: 'Istanbul Grill', restaurant\_id: '090342', grade: 'B', score: 82 },

{ place: 'Manhattan', cuisine: 'Lebanese', name: 'Beirut Delights', restaurant\_id: '090343', grade: 'A', score: 89 },

{ place: 'Staten Island', cuisine: 'Korean', name: 'Kimchi House', restaurant\_id: '090344', grade: 'B', score: 87 },

{ place: 'Brooklyn', cuisine: 'Spanish', name: 'Casa de Tapas', restaurant\_id: '090345', grade: 'A', score: 93 },

]);

db.restaurants.find({ score: { $gt: 80, $lt: 100 } })

**Output:**

acknowledged: true,

insertedIds: {

'0': ObjectId('673408ab61c86066c842f807'),

'1': ObjectId('673408ab61c86066c842f808'),

'2': ObjectId('673408ab61c86066c842f809'),

'3': ObjectId('673408ab61c86066c842f80a'),

'4': ObjectId('673408ab61c86066c842f80b'),

'5': ObjectId('673408ab61c86066c842f80c'),

'6': ObjectId('673408ab61c86066c842f80d'),

'7': ObjectId('673408ab61c86066c842f80e'),

'8': ObjectId('673408ab61c86066c842f80f'),

'9': ObjectId('673408ab61c86066c842f810'),

'10': ObjectId('673408ab61c86066c842f811'),

'11': ObjectId('673408ab61c86066c842f812'),

'12': ObjectId('673408ab61c86066c842f813'),

'13': ObjectId('673408ab61c86066c842f814'),

'14': ObjectId('673408ab61c86066c842f815')

}

}

mycompiler\_mongodb> [

{

\_id: ObjectId('673408ab61c86066c842f807'),

place: 'Manhattan',

cuisine: 'Irish',

name: 'Dj Reynolds',

restaurant\_id: '090328',

grade: 'A',

score: 90

},

{

\_id: ObjectId('673408ab61c86066c842f80a'),

place: 'Queens',

cuisine: 'Jewish',

name: 'Tov Kosher Kitchen',

restaurant\_id: '1231256',

grade: 'A+',

score: 95

},

{

\_id: ObjectId('673408ab61c86066c842f80c'),

place: 'Manhattan',

cuisine: 'Vegan',

name: 'Green Leaf',

restaurant\_id: '090336',

grade: 'A',

score: 94

},

{

\_id: ObjectId('673408ab61c86066c842f80e'),

place: 'Staten Island',

cuisine: 'Thai',

name: 'Bangkok Spice',

restaurant\_id: '090338',

grade: 'A',

score: 90

},

{

\_id: ObjectId('673408ab61c86066c842f80f'),

place: 'Manhattan',

cuisine: 'Indian',

name: 'Curry Palace',

restaurant\_id: '090339',

grade: 'B',

score: 84

},

{

\_id: ObjectId('673408ab61c86066c842f811'),

place: 'Queens',

cuisine: 'Ethiopian',

name: 'Blue Nile',

restaurant\_id: '090341',

grade: 'A',

score: 91

},

{

\_id: ObjectId('673408ab61c86066c842f812'),

place: 'Bronx',

cuisine: 'Turkish',

name: 'Istanbul Grill',

restaurant\_id: '090342',

grade: 'B',

score: 82

},

{

\_id: ObjectId('673408ab61c86066c842f813'),

place: 'Manhattan',

cuisine: 'Lebanese',

name: 'Beirut Delights',

restaurant\_id: '090343',

grade: 'A',

score: 89

},

{

\_id: ObjectId('673408ab61c86066c842f814'),

place: 'Staten Island',

cuisine: 'Korean',

name: 'Kimchi House',

restaurant\_id: '090344',

grade: 'B',

score: 87

},

{

\_id: ObjectId('673408ab61c86066c842f815'),

place: 'Brooklyn',

cuisine: 'Spanish',

name: 'Casa de Tapas',

restaurant\_id: '090345',

grade: 'A',

score: 93

}

]