

# Reihaneh Moghisi

## Assignment 3

### Fall 2022

```
Last login: Tue Nov  8 12:15:18 on ttys001
reihaneh@Reihanehs-MacBook-Pro ~ % mongosh
Current Mongosh Log ID: 636a8fc2badf688f37e36711
Connecting to:      mongodb://127.0.0.1:27017/?  
directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+1.  
6.0
Using MongoDB:      6.0.1
Using Mongosh:      1.6.0
```

For mongosh info see: <https://docs.mongodb.com/mongodb-shell/>

---

#### The server generated these startup warnings when booting

```
2022-11-08T11:54:39.459-05:00: Access control is not enabled for
the database. Read and write access to data and configuration is
unrestricted
```

---

```
-----  
Enable MongoDB's free cloud-based monitoring service, which will
then receive and display
```

```
metrics about your deployment (disk utilization, CPU, operation
statistics, etc).
```

```
The monitoring data will be available on a MongoDB website with a
unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information
to make product
improvements and to suggest MongoDB products and deployment options
to you.
```

```
To enable free monitoring, run the following command:  
db.enableFreeMonitoring()
```

```
To permanently disable this reminder, run the following command:  
db.disableFreeMonitoring()
```

---

```
test> use Food
switched to db Food
Food> db.restaurant.countDocuments()
8762
Food> db.restaurant.count({isActive: {$eq: true} })
```

```
DeprecationWarning: Collection.count() is deprecated. Use
countDocuments or estimatedDocumentCount.
4387
Food> db.restaurant.find().sort({DailySales:-1}).limit(1)
[
  {
    _id: ObjectId("636a8fb2f1f9a12ebd540996"),
    isActive: false,
    DailySales: 3999.92,
    logoColor: 'blue',
    OwnerName: 'Lang Farley',
    OwnerGender: 'male',
    restaurantName: 'FARMAGE',
    email: 'langfarley@farmage.com',
    phone: '+1 (891) 483-3121',
    address: '289 Visitation Place, Como, Colorado, 4555',
    registered: '2019-07-17T11:58:05 +04:00',
    latitude: 52.45859,
    longitude: -146.42685,
    availavaleFruit: 'banana',
    availavleSalads: 'Mesclun',
    availavaleFoods: 'veggies'
  }
]
Food> db.restaurant.find().sort({DailySales:11}).limit(1)
MongoInvalidArgumentException: Invalid sort direction: 11
Food> db.restaurant.find().sort({DailySales:1}).limit(1)
[
  {
    _id: ObjectId("636a8fb3f1f9a12ebd5418c7"),
    isActive: true,
    DailySales: 1000.97,
    logoColor: 'brown',
    OwnerName: 'Esther Ford',
    OwnerGender: 'female',
    restaurantName: 'ASSISTIX',
    email: 'estherford@assistix.com',
    phone: '+1 (917) 567-3607',
    address: '917 Hemlock Street, Greenbush, Northern Mariana Islands,
3556',
    registered: '2020-09-24T02:45:49 +04:00',
    latitude: 7.517078,
    longitude: -94.882679,
    availavaleFruit: 'apple',
    availavleSalads: 'Greek',
    availavaleFoods: 'Sandwitch'
  }
]
Food> db.restaurant.aggregate(
...  [
```

```

...
{
...
    $group:
    {
...
        "_id": "_id",
        AverageDailySales: { $avg: "$DailySales" }
    }
}
]
)
[ { _id: '_id', AverageDailySales: 2505.8145183748 } ]
Food> db.restaurant.count({logoColor :{$eq: "green"}})
2847
Food> db.restaurant.find().sort({ "registered" : 1 }).limit(1)
[
{
    _id: ObjectId("636a8fb3f1f9a12ebd541cb7"),
    isActive: false,
    DailySales: 1753.43,
    logoColor: 'green',
    OwnerName: 'Justice Lynch',
    OwnerGender: 'male',
    restaurantName: 'EURON',
    email: 'justicelynch@uron.com',
    phone: '+1 (843) 437-2196',
    address: '912 Schenck Street, Topanga, Vermont, 7971',
    registered: '2014-01-01T02:15:10 +05:00',
    latitude: -56.37287,
    longitude: -62.531842,
    availavaleFruit: 'apple',
    availavleSalads: 'Tuna',
    availavaleFoods: 'veggies'
}
]
Food> db.restaurant.find().sort({ "registered" : 1 }).limit(1)
[
{
    _id: ObjectId("636a8fb3f1f9a12ebd541cb7"),
    isActive: false,
    DailySales: 1753.43,
    logoColor: 'green',
    OwnerName: 'Justice Lynch',
    OwnerGender: 'male',
    restaurantName: 'EURON',
    email: 'justicelynch@uron.com',
    phone: '+1 (843) 437-2196',
    address: '912 Schenck Street, Topanga, Vermont, 7971',
    registered: '2014-01-01T02:15:10 +05:00',
    latitude: -56.37287,
    longitude: -62.531842,
}
]

```

```
    availavaleFruit: 'apple',
    availavleSalads: 'Tuna',
    availavaleFoods: 'veggies'
}
]
Food> db.restaurant.find().sort({ "registered" : -1 }).limit(1)
[
{
    _id: ObjectId("636a8fb2f1f9a12ebd540da6"),
    isActive: false,
    DailySales: 2941.08,
    logoColor: 'green',
    OwnerName: 'Stout Gaines',
    OwnerGender: 'male',
    restaurantName: 'PETICULAR',
    email: 'stoutgaines@peticular.com',
    phone: '+1 (935) 432-2601',
    address: '300 Albemarle Terrace, Blandburg, Wyoming, 3395',
    registered: '2021-04-07T12:50:59 +04:00',
    latitude: 32.559035,
    longitude: 12.163789,
    availavaleFruit: 'apple',
    availavleSalads: 'Mesclun',
    availavaleFoods: 'soup'
}
]
Food> db.restaurant.find({OwnerName: {$eq: "Leila Dickerson"}})
[
{
    _id: ObjectId("636a8fb2f1f9a12ebd540741"),
    isActive: false,
    DailySales: 2120.9,
    logoColor: 'brown',
    OwnerName: 'Leila Dickerson',
    OwnerGender: 'female',
    restaurantName: 'OPTYK',
    email: 'leiladickerson@optyk.com',
    phone: '+1 (924) 538-3002',
    address: '665 Opal Court, Roland, Florida, 404',
    registered: '2020-06-02T06:15:31 +04:00',
    latitude: 40.48467,
    longitude: 13.539483,
    availavaleFruit: 'strawberry',
    availavleSalads: 'Greek',
    availavaleFoods: 'Sandwitch'
}
]
Food> db.restaurant.find({latitude: {$eq: 40.48467}})
[
{
```

```
_id: ObjectId("636a8fb2f1f9a12ebd540741"),
isActive: false,
DailySales: 2120.9,
logoColor: 'brown',
OwnerName: 'Leila Dickerson',
OwnerGender: 'female',
restaurantName: 'OPTYK',
email: 'leiladickerson@ptyk.com',
phone: '+1 (924) 538-3002',
address: '665 Opal Court, Roland, Florida, 404',
registered: '2020-06-02T06:15:31 +04:00',
latitude: 40.48467,
longitude: 13.539483,
availavaleFruit: 'strawberry',
availavleSalads: 'Greek',
availavaleFoods: 'Sandwitch'
}
]
Food> db.restaurant.count({availavleSalads: {$eq: "Greek"}})
1737
Food> db.restaurant.count({availavaleFruit: {$eq: "apple"}})
3014
Food> db.restaurant.find({restaurantName: {$eq: "OPTYK"}})
[
{
  _id: ObjectId("636a8fb2f1f9a12ebd540741"),
  isActive: false,
  DailySales: 2120.9,
  logoColor: 'brown',
  OwnerName: 'Leila Dickerson',
  OwnerGender: 'female',
  restaurantName: 'OPTYK',
  email: 'leiladickerson@ptyk.com',
  phone: '+1 (924) 538-3002',
  address: '665 Opal Court, Roland, Florida, 404',
  registered: '2020-06-02T06:15:31 +04:00',
  latitude: 40.48467,
  longitude: 13.539483,
  availavaleFruit: 'strawberry',
  availavleSalads: 'Greek',
  availavaleFoods: 'Sandwitch'
},
{
  _id: ObjectId("636a8fb2f1f9a12ebd540b26"),
  isActive: true,
  DailySales: 2488.09,
  logoColor: 'green',
  OwnerName: 'Betty Solomon',
  OwnerGender: 'female',
  restaurantName: 'OPTYK',
```

```
email: 'bettysolomon@optyk.com',
phone: '+1 (891) 561-3792',
address: '843 Erskine Loop, Gila, Maine, 4452',
registered: '2017-05-10T10:50:26 +04:00',
latitude: 33.688645,
longitude: 134.716975,
availavaleFruit: 'banana',
availavleSalads: 'Mesclun',
availavaleFoods: 'Stake'
},
{
_id: ObjectId("636a8fb2f1f9a12ebd540f0b"),
isActive: true,
DailySales: 2724.39,
logoColor: 'blue',
OwnerName: 'Chelsea Delacruz',
OwnerGender: 'female',
restaurantName: 'OPTYK',
email: 'chelseadelacruz@optyk.com',
phone: '+1 (954) 556-3344',
address: '289 Ide Court, Loomis, Oregon, 1292',
registered: '2015-03-20T09:34:17 +04:00',
latitude: 15.728423,
longitude: -53.151861,
availavaleFruit: 'apple',
availavleSalads: 'Tuna',
availavaleFoods: 'Stake'
},
{
_id: ObjectId("636a8fb3f1f9a12ebd5412f0"),
isActive: false,
DailySales: 1832.53,
logoColor: 'blue',
OwnerName: 'Maureen Wolfe',
OwnerGender: 'female',
restaurantName: 'OPTYK',
email: 'maureenwolfe@optyk.com',
phone: '+1 (914) 543-3402',
address: '764 Walker Court, Bradenville, Palau, 5095',
registered: '2020-09-19T04:12:03 +04:00',
latitude: -79.243348,
longitude: -144.922373,
availavaleFruit: 'apple',
availavleSalads: 'Panzanella',
availavaleFoods: 'soup'
},
{
_id: ObjectId("636a8fb3f1f9a12ebd5416d5"),
isActive: true,
DailySales: 1061.13,
```

```
    logoColor: 'brown',
    OwnerName: 'Joyner Mullins',
    OwnerGender: 'male',
    restaurantName: 'OPTYK',
    email: 'joynermullins@optyk.com',
    phone: '+1 (911) 404-3907',
    address: '608 Sunnyside Court, Boomer, Virgin Islands, 6012',
    registered: '2017-01-17T12:54:43 +05:00',
    latitude: -70.384537,
    longitude: 145.415794,
    availavaleFruit: 'apple',
    availavleSalads: 'Mimosa salad',
    availavaleFoods: 'Sandwitch'
},
{
    _id: ObjectId("636a8fb3f1f9a12ebd541aba"),
    isActive: false,
    DailySales: 1326.89,
    logoColor: 'brown',
    OwnerName: 'Moreno Nicholson',
    OwnerGender: 'male',
    restaurantName: 'OPTYK',
    email: 'morenonicholson@optyk.com',
    phone: '+1 (888) 506-3791',
    address: '166 Ross Street, Ivanhoe, Ohio, 944',
    registered: '2015-03-06T09:37:50 +05:00',
    latitude: 53.166854,
    longitude: 94.722196,
    availavaleFruit: 'apple',
    availavleSalads: 'Panzanella',
    availavaleFoods: 'veggies'
},
{
    _id: ObjectId("636a8fb3f1f9a12ebd541e9f"),
    isActive: false,
    DailySales: 1679.91,
    logoColor: 'green',
    OwnerName: 'Elisabeth Frost',
    OwnerGender: 'female',
    restaurantName: 'OPTYK',
    email: 'elisabethfrost@optyk.com',
    phone: '+1 (877) 454-3788',
    address: '941 Woodruff Avenue, Emory, North Carolina, 3751',
    registered: '2014-01-03T04:59:04 +05:00',
    latitude: -35.529613,
    longitude: -15.979047,
    availavaleFruit: 'strawberry',
    availavleSalads: 'Panzanella',
    availavaleFoods: 'veggies'
},
```

```

{
  _id: ObjectId("636a8fb4f1f9a12ebd542284"),
  isActive: true,
  DailySales: 1565.72,
  logoColor: 'green',
  OwnerName: 'Brianna Stevens',
  OwnerGender: 'female',
  restaurantName: 'OPTYK',
  email: 'briannastevens@ptyk.com',
  phone: '+1 (859) 493-2857',
  address: '398 Thatford Avenue, Wakarusa, Illinois, 7338',
  registered: '2015-10-02T05:12:53 +04:00',
  latitude: 51.361434,
  longitude: -39.019165,
  availavaleFruit: 'strawberry',
  availavleSalads: 'Panzanella',
  availavaleFoods: 'Stake'
},
{
  _id: ObjectId("636a8fb4f1f9a12ebd542669"),
  isActive: false,
  DailySales: 3784.6,
  logoColor: 'blue',
  OwnerName: 'Carissa Farmer',
  OwnerGender: 'female',
  restaurantName: 'OPTYK',
  email: 'carissafarmer@ptyk.com',
  phone: '+1 (900) 565-2659',
  address: '781 Eagle Street, Goochland, Marshall Islands, 5917',
  registered: '2014-03-29T09:39:14 +04:00',
  latitude: 8.457693,
  longitude: 171.097877,
  availavaleFruit: 'strawberry',
  availavleSalads: 'Mimosa salad',
  availavaleFoods: 'veggies'
}
]
Food> db.restaurant.count({restaurantName: {$eq: "OPTYK"}})
9
Food>

```

localhost:27017

MongoDB Compass - localhost:27017/Food.restaurant

```

Food> db.restaurant.count({restaurantName: {$eq: "OPTYK"}})
9
Food>

```

Documents Aggregations Schema

Food.restaurant

1 INDEXES

1 REFRESH

.../bin/usr/local/bin/usr/bin/bin/usr/sbin/sbin/opt/X11/bin ...:/usr/local/usr/bin/bin/usr/sbin/sbin/opt/X11/bin

registered: '2014-01-03T04:59:04 +05:00',  
latitude: '-35.529613',  
longitude: '-55.979047',  
availableFruit: 'strawberry',  
availableSalads: 'Panzanella',  
availableFoods: 'veggies'  
},  
{
\_id: ObjectId("636a8fb4f1f9a12ebd542284"),  
isActive: true,  
DailySales: 1656.72,  
logoColor: 'green',  
OwnerName: 'Brianna Stevens',  
OwnerGender: 'female',  
restaurantName: 'OPTYK',  
email: 'briannastevens@ptyk.com',  
phone: '+1 (800) 493-2857',  
address: '123 Main Street, Wakanusa, Illinois, 7338',  
registered: '2015-10-21T05:12:53 +04:00',  
latitude: 39.019165,  
longitude: -95.571424,br/>
availableFruit: 'strawberry',  
availableSalads: 'Panzanella',  
availableFoods: 'veggies'  
},  
{
\_id: ObjectId("636a8fb4f1f9a12ebd542669"),  
isActive: false,  
DailySales: 3784.6,  
logoColor: 'blue',  
OwnerName: 'Carissa Farmer',  
OwnerGender: 'female',  
restaurantName: 'OPTYK',  
email: 'carissafarmer@ptyk.com',  
phone: '+1 (900) 565-2659',  
address: '781 Eagle Street, Goochland, Marshall Islands, 5917',  
registered: '2014-03-29T09:39:14 +04:00',  
latitude: 8.457693,  
longitude: 171.097877,  
availableFruit: 'strawberry',  
availableSalads: 'Mimosa salad',  
availableFoods: 'veggies'  
},  
]
Food> db.restaurant.count({restaurantName: {\$eq: "OPTYK"}})
9
Food>

localhost:27017

MongoDB Compass - localhost:27017/Food.restaurant

```

Food> db.restaurant.find({restaurantName: {$eq: "OPTYK"}})
[  

{
_id: ObjectId("636a8fb2f1f9a12ebd540741"),  

isActive: false,  

DailySales: 2120.9,  

logoColor: 'brown',  

OwnerName: 'Leila Dickerson',  

OwnerGender: 'female',  

restaurantName: 'OPTYK',  

email: 'leiladickerson@ptyk.com',  

phone: '+1 (924) 538-3002',  

address: '665 Opal Court, Roland, Florida, 404',  

registered: '2020-06-02T06:15:31 +04:00',  

latitude: 40.48467,  

longitude: 13.539483,  

availableFruit: 'strawberry',  

availableSalads: 'Greek',  

availableFoods: 'Sandwich'  

},  

{
_id: ObjectId("636a8fb2f1f9a12ebd540b26"),  

isActive: true,  

DailySales: 2488.09,  

logoColor: 'brown',  

OwnerName: 'Betty Solomon',  

OwnerGender: 'female',  

restaurantName: 'OPTYK',  

email: 'bettsolomon@ptyk.com',  

phone: '+1 (891) 561-3792',  

address: '243 Main Street Loop, Gila, Maine, 4462',  

registered: '2017-08-19T10:50:26 +04:00',  

latitude: 33.698645,  

longitude: 134.716975,  

availableFruit: 'banana',  

availableSalads: 'Mesclun',  

availableFoods: 'Steak'  

},  

{
_id: ObjectId("636a8fb2f1f9a12ebd540f0b"),  

isActive: true,  

DailySales: 2724.39,  

logoColor: 'blue',  

OwnerName: 'ChelseadeLacruz',  

OwnerGender: 'female',  

restaurantName: 'OPTYK',  

email: 'chelseadelacruz@ptyk.com',  

phone: '+1 (900) 565-2659',  

address: '123 Main Street, Goochland, Marshall Islands, 5917',  

registered: '2014-03-29T09:39:14 +04:00',  

latitude: 8.457693,  

longitude: 171.097877,  

availableFruit: 'strawberry',  

availableSalads: 'Mimosa salad',  

availableFoods: 'veggies'  

}
]
Food> db.restaurant.find({restaurantName: {$eq: "OPTYK"}})
< { _id: ObjectId("636a8fb2f1f9a12ebd540741"),  

isActive: false,  

DailySales: 2120.9,  

logoColor: 'brown',  

OwnerName: 'Leila Dickerson',  

OwnerGender: 'female',  

restaurantName: 'OPTYK',  

email: 'leiladickerson@ptyk.com',  

phone: '+1 (924) 538-3002',  

address: '665 Opal Court, Roland, Florida, 404',  

registered: '2020-06-02T06:15:31 +04:00',  

latitude: 40.48467,  

longitude: 13.539483,  

availableFruit: 'strawberry',  

availableSalads: 'Greek',  

availableFoods: 'Sandwich'  

},  

{
_id: ObjectId("636a8fb2f1f9a12ebd540b26"),  

isActive: true,  

DailySales: 2488.09,  

logoColor: 'brown',  

OwnerName: 'Betty Solomon',  

OwnerGender: 'female',  

restaurantName: 'OPTYK',  

email: 'bettsolomon@ptyk.com',  

phone: '+1 (891) 561-3792',  

address: '243 Main Street Loop, Gila, Maine, 4462',  

registered: '2017-08-19T10:50:26 +04:00',  

latitude: 33.698645,  

longitude: 134.716975,  

availableFruit: 'banana',  

availableSalads: 'Mesclun',  

availableFoods: 'Steak'  

},  

{
_id: ObjectId("636a8fb2f1f9a12ebd540f0b"),  

isActive: true,  

DailySales: 2724.39,  

logoColor: 'blue',  

OwnerName: 'ChelseadeLacruz',  

OwnerGender: 'female',  

restaurantName: 'OPTYK',  

email: 'chelseadelacruz@ptyk.com',  

phone: '+1 (900) 565-2659',  

address: '123 Main Street, Goochland, Marshall Islands, 5917',  

registered: '2014-03-29T09:39:14 +04:00',  

latitude: 8.457693,  

longitude: 171.097877,  

availableFruit: 'strawberry',  

availableSalads: 'Mimosa salad',  

availableFoods: 'veggies'  

}
]
Food>

```

Terminal Shell Edit View Window Help

MongoDB Compass - localhost:27017/Food.restaurant

localhost:27017

4 DBS 4 COLLECTIONS C

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 6.0.1 Community

My Queries Databases Filter your data Food restaurant admin config local

**Food.restaurant**

Documents Aggregations Schema Explain Plan Indexes Validation

0 FILTER { field: 'value' } OPTIONS FIND RESET ...

ADD DATA VIEW

Displaying documents 1 - 20 of 8762 < > C REFRESH

```
_id: ObjectId('636a8fb2f1f9a12ebd540741')
isActive: false
DailySales: 2120.9
logoColor: 'brown'
OwnerName: 'Leila Dickerson'
OwnerGender: 'female'
restaurantName: 'OPTYK'
email: 'leiladickerson@optyk.com'
phone: '+1 (924) 538-3002'
address: '665 Opal Court, Roland, Florida, 404', registered: '2020-06-02T06:15:31+04:00',
latitude: 40.48467
longitude: -13.539483
availableFruit: 'strawberry'
availableSalads: 'Greek'
availableFoods: 'Sandwich'
```

```
_id: ObjectId('636a8fb2f1f9a12ebd540741')
isActive: false
DailySales: 2276.34
logoColor: 'blue'
OwnerName: 'Naomi Mcree'
OwnerGender: 'female'
restaurantName: 'LUNCHPAD'
email: 'naomimckeelunchpad.com'
phone: '+1 (956) 493-2693'
address: '909 Veronica Place, H', registered: '2014-06-01T09:49:31+04:00',
latitude: 49.132543
longitude: -52.30155
availableFruit: 'banana'
availableSalads: 'Mimosa salad'
availableFoods: 'French'
```

reichaneh — mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=20...

.../bin/usr/local/bin/usr/bin/bin/usr/sbin/sbin/opt/X11/bin ...:/usr/local/bin/usr/bin/bin/usr/sbin/sbin/opt/X11/bin

```
isActive: false,
DailySales: 2120.9,
logoColor: 'brown',
OwnerName: 'Leila Dickerson',
OwnerGender: 'female',
restaurantName: 'OPTYK',
email: 'leiladickerson@optyk.com',
phone: '+1 (924) 538-3002',
address: '665 Opal Court, Roland, Florida, 404',
registered: '2020-06-02T06:15:31 +04:00',
latitude: 40.48467
longitude: -13.539483,
availableFruit: 'strawberry',
availableSalads: 'Greek',
availableFoods: 'Sandwich'
```

Food>

Terminal Shell Edit View Window Help

MongoDB Compass - localhost:27017/Food.restaurant

localhost:27017

4 DBS 4 COLLECTIONS C

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 6.0.1 Community

My Queries Databases Filter your data Food restaurant admin config local

**Food.restaurant**

Documents Aggregations Schema Explain Plan Indexes Validation

0 FILTER { field: 'value' } OPTIONS FIND RESET ...

ADD DATA VIEW

Displaying documents 1 - 20 of 8762 < > C REFRESH

```
longitude: 13.539483
availableFruit: "strawberry"
availableSalads: "Greek"
availableFoods: "Sandwich"
```

```
_id: ObjectId('636a8fb2f1f9a12ebd540741'),
isActive: false,
DailySales: 2276.34,
logoColor: 'blue',
OwnerName: 'Naomi Mcree',
OwnerGender: 'female',
restaurantName: 'LUNCHPAD',
email: 'naomimckeelunchpad.com',
phone: '+1 (956) 493-2693',
address: '909 Veronica Place, H', registered: '2014-06-01T09:49:31+04:00',
latitude: 49.132543
longitude: -52.30155
availableFruit: 'banana'
availableSalads: 'Mimosa salad'
availableFoods: 'French'
```

reichaneh — mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=20...

.../bin/usr/local/bin/usr/bin/bin/usr/sbin/sbin/opt/X11/bin ...:/usr/local/bin/usr/bin/bin/usr/sbin/sbin/opt/X11/bin

```
{
_id: ObjectId('636a8fb2f1f9a12ebd540741'),
isActive: false,
DailySales: 2120.9,
logoColor: 'brown',
OwnerName: 'Leila Dickerson',
OwnerGender: 'female',
restaurantName: 'OPTYK',
email: 'leiladickerson@optyk.com',
phone: '+1 (924) 538-3002',
address: '665 Opal Court, Roland, Florida, 404',
registered: '2020-06-02T06:15:31 +04:00',
latitude: 40.48467
longitude: 13.539483,
availableFruit: 'strawberry',
availableSalads: 'Greek',
availableFoods: 'Sandwich'
```

Food>

Terminal Shell Edit View Window Help

MongoDB Compass - localhost:27017/Food.restaurant

localhost:27017

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 6.0.1 Community

My Queries Databases

> MONGOSH

```
> db.restaurant.find({latitude: {$eq: 40.48467}})
```

```
< { _id: ObjectId("636a8fb2f1f9a12ebd540741"),
  isActive: false,
  DailySales: 2120.9,
  logoColor: 'brown',
  OwnerName: 'Leila Dickerson',
  OwnerGender: 'female',
  restaurantName: 'OPTYK',
  email: 'leiladickerson@ptyk.com',
  phone: '+1 (924) 538-3002',
  address: '665 Opal Court, Roland, Florida, 404',
  registered: '2020-06-02T06:15:31 +04:00',
  latitude: 40.48467,
  longitude: 13.539483,
  availableFruit: 'strawberry',
  availableSalads: 'Greek',
  availableFoods: 'Sandwich' }
```

Documents Aggregations Schema Explain Plan Indexes Validation

8.8k 1 DOCUMENTS INDEXES

FIND RESET

ADD DATA VIEW

Displaying documents 1 - 20 of 8762

reihaneh — mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=20...

```
.../bin/usr/local/bin/usr/bin/bin/usr/sbin/sbin/optX11/bin ...:/usr/local/bin/usr/bin/bin/usr/sbin/sbin/optX11/bin
```

```
Food> db.restaurant.find({latitude: {$eq: 40.48467}})
```

```
[ { _id: ObjectId("636a8fb2f1f9a12ebd540741"),
  isActive: false,
  DailySales: 2120.9,
  logoColor: 'brown',
  OwnerName: 'Leila Dickerson',
  OwnerGender: 'female',
  restaurantName: 'OPTYK',
  email: 'leiladickerson@ptyk.com',
  phone: '+1 (924) 538-3002',
  address: '665 Opal Court, Roland, Florida, 404',
  registered: '2020-06-02T06:15:31 +04:00',
  latitude: 40.48467,
  longitude: 13.539483,
  availableFruit: 'strawberry',
  availableSalads: 'Greek',
  availableFoods: 'Sandwich' } ]
```

Food>

Terminal Shell Edit View Window Help

MongoDB Compass - localhost:27017/Food.restaurant

localhost:27017

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 6.0.1 Community

My Queries Databases

> MONGOSH

```
> db.restaurant.find({OwnerName: {$eq: "Leila Dickerson"}})
```

```
< { _id: ObjectId("636a8fb2f1f9a12ebd540741"),
  isActive: false,
  DailySales: 2120.9,
  logoColor: 'brown',
  OwnerName: 'Leila Dickerson',
  OwnerGender: 'female',
  restaurantName: 'OPTYK',
  email: 'leiladickerson@ptyk.com',
  phone: '+1 (924) 538-3002',
  address: '665 Opal Court, Roland, Florida, 404',
  registered: '2020-06-02T06:15:31 +04:00',
  latitude: 40.48467,
  longitude: 13.539483,
  availableFruit: 'strawberry',
  availableSalads: 'Greek',
  availableFoods: 'Sandwich' }
```

Documents Aggregations Schema Explain Plan Indexes Validation

8.8k 1 DOCUMENTS INDEXES

FIND RESET

ADD DATA VIEW

Displaying documents 1 - 20 of 8762

reihaneh — mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=20...

```
.../bin/usr/local/bin/usr/bin/bin/usr/sbin/sbin/optX11/bin ...:/usr/local/bin/usr/bin/bin/usr/sbin/sbin/optX11/bin
```

```
Food> db.restaurant.find({OwnerName: {$eq: "Leila Dickerson"}})
```

```
[ { _id: ObjectId("636a8fb2f1f9a12ebd540741"),
  isActive: false,
  DailySales: 2120.9,
  logoColor: 'brown',
  OwnerName: 'Leila Dickerson',
  OwnerGender: 'female',
  restaurantName: 'OPTYK',
  email: 'leiladickerson@ptyk.com',
  phone: '+1 (924) 538-3002',
  address: '665 Opal Court, Roland, Florida, 404',
  registered: '2020-06-02T06:15:31 +04:00',
  latitude: 40.48467,
  longitude: 13.539483,
  availableFruit: 'strawberry',
  availableSalads: 'Greek',
  availableFoods: 'Sandwich' } ]
```

Food>

MongoDB Compass - localhost:27017/Food.restaurant

localhost:27017

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 6.0.1 Community

My Queries Databases > MONGOSH

Documents Aggregations Schema Explain Plan Indexes Validation

8.8k 1 DOCUMENTS INDEXES

Food.restaurant

ADD DATA VIEW

FIND RESET C REFRESH

Displaying documents 1 - 20 of 8762

```

email: "leiladickerson@optky.com"
phone: "+1 (924) 538-3002"
address: "665 Opal Court, Roland, Florida, 404"
registered: "2020-06-03T01:15:31 +04:00"

```

```

db.restaurant.find().sort({ "registered" : -1 }).limit(1)
< _id: ObjectId("636a8fb2f1f9a12ebd540da6"),
  isActive: false,
  dailySales: 2941.08,
  logoColor: 'green',
  ownerName: 'Stout Gaines',
  ownerGender: 'male',
  restaurantName: 'PETICULAR',
  email: 'stoutgaines@peticular.com',
  phone: '+1 (935) 432-2601',
  address: '300 Albermarle Terrace, Blandburg, Wyoming, 3395',
  registered: '2021-04-07T12:50:59 +04:00',
  latitude: 32.559035,
  longitude: 12.163789,
  availableFruit: 'apple',
  availableSalads: 'Mesclun',
  availableFoods: 'soup'
]

```

```

reihaneh — mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=20...
.../bin:/usr/local/bin:/usr/bin:/bin:/usr/sbin:/sbin:/opt/X11/bin ...:/usr/local/bin:/usr/bin:/usr/sbin:/sbin:/opt/X11/bin
Food> db.restaurant.find().sort({ "registered" : -1 }).limit(1)
[
  {
    _id: ObjectId("636a8fb2f1f9a12ebd540da6"),
    isActive: false,
    dailySales: 2941.08,
    logoColor: 'green',
    ownerName: 'Stout Gaines',
    ownerGender: 'male',
    restaurantName: 'PETICULAR',
    email: 'stoutgaines@peticular.com',
    phone: '+1 (935) 432-2601',
    address: '300 Albermarle Terrace, Blandburg, Wyoming, 3395',
    registered: '2021-04-07T12:50:59 +04:00',
    latitude: 32.559035,
    longitude: 12.163789,
    availableFruit: 'apple',
    availableSalads: 'Mesclun',
    availableFoods: 'soup'
  }
]
Food>

```

Tue Nov 8 1:14 PM

MongoDB Compass - localhost:27017/Food.restaurant

localhost:27017

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 6.0.1 Community

My Queries Databases > MONGOSH

Documents Aggregations Schema Explain Plan Indexes Validation

8.8k 1 DOCUMENTS INDEXES

Food.restaurant

ADD DATA VIEW

FIND RESET C REFRESH

Displaying documents 1 - 20 of 8762

```

email: "leiladickerson@optky.com"
phone: "+1 (924) 538-3002"
address: "665 Opal Court, Roland, Florida, 404"
registered: "2020-06-03T01:15:31 +04:00"

```

```

db.restaurant.find().sort({ "registered" : 1 }).limit(1)
< _id: ObjectId("636a8fb3f1f9a12ebd541cb7"),
  isActive: false,
  dailySales: 1753.43,
  logoColor: 'green',
  ownerName: 'Justice Lynch',
  ownerGender: 'male',
  restaurantName: 'EURON',
  email: 'justicelync@euron.com',
  phone: '+1 (843) 437-2196',
  address: '912 Schenck Street, Topanga, Vermont, 7971',
  registered: '2014-01-01T02:15:10 +05:00',
  latitude: -56.37287,
  longitude: -62.531842,
  availableFruit: 'apple',
  availableSalads: 'Tuna',
  availableFoods: 'veggies'
]

```

```

reihaneh — mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=20...
.../bin:/usr/local/bin:/usr/bin:/bin:/usr/sbin:/sbin:/opt/X11/bin ...:/usr/local/bin:/usr/bin:/usr/sbin:/sbin:/opt/X11/bin
Food> db.restaurant.find().sort({ "registered" : 1 }).limit(1)
[
  {
    _id: ObjectId("636a8fb3f1f9a12ebd541cb7"),
    isActive: false,
    dailySales: 1753.43,
    logoColor: 'green',
    ownerName: 'Justice Lynch',
    ownerGender: 'male',
    restaurantName: 'EURON',
    email: 'justicelync@euron.com',
    phone: '+1 (843) 437-2196',
    address: '912 Schenck Street, Topanga, Vermont, 7971',
    registered: '2014-01-01T02:15:10 +05:00',
    latitude: -56.37287,
    longitude: -62.531842,
    availableFruit: 'apple',
    availableSalads: 'Tuna',
    availableFoods: 'veggies'
  }
]
Food>

```

Tue Nov 8 1:13 PM

localhost:27017

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 6.0.1 Community

My Queries

Databases

Filter your data

Food

- restaurant
- admin
- config
- local

```
_id: ObjectId('636a8fb2f1f9a12ebd540741')
isActive: false
DailySales: 2120.9
logoColor: 'brown'
OwnerName: 'Leila Dickerson'
OwnerGender: 'female'
restaurantName: 'OPTYK'
email: 'leiladickerson@optyk.com'
phone: '+1 (924) 538-3002'
address: '66 Main Court, Roland'
registered: '2020-06-02T06:15:33'
latitude: 40.48467
longitude: -13.539463
availableFruit: 'strawberry'
availableSalads: 'Greek'
availableFoods: 'Sandwich'
```

```
_id: ObjectId('636a8fb2f1f9a12ebd540741')
isActive: false
DailySales: 2120.9
logoColor: 'brown'
OwnerName: 'Leila Dickerson'
OwnerGender: 'female'
restaurantName: 'OPTYK'
email: 'leiladickerson@optyk.com'
phone: '+1 (924) 538-3002'
address: '66 Main Court, Roland'
registered: '2020-06-02T06:15:33'
latitude: 40.48467
longitude: -13.539463
availableFruit: 'strawberry'
availableSalads: 'Greek'
availableFoods: 'Sandwich'
```

Documents Aggregations Schema Explain Plan Indexes Validation

OPTIONS FIND RESET ...

ADD DATA VIEW

Displaying documents 1 - 20 of 8762 < > C REFRESH

reihaneh — mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=20...

```
.../bin/usr/local/bin/usr/bin/bin/usr/sbin/sbin/opt/X11/bin
...:/usr/local/bin/usr/bin/bin/usr/sbin/sbin/opt/X11/bin
```

8.8k 1 DOCUMENTS INDEXES

localhost:27017

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 6.0.1 Community

My Queries

Databases

Filter your data

> MONGOSH

```
> db.restaurant.aggregate([
  {
    $group: {
      "_id": "$_id",
      AverageDailySales: { $avg: "$DailySales" }
    }
  }
], { '_id': '_id', AverageDailySales: 2505.8145183748 })
2847
Food>
```

Documents Aggregations Schema Explain Plan Indexes Validation

OPTIONS FIND RESET ...

ADD DATA VIEW

Displaying documents 1 - 20 of 8762 < > C REFRESH

reihaneh — mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=20...

```
.../bin/usr/local/bin/usr/bin/bin/usr/sbin/sbin/opt/X11/bin
...:/usr/local/bin/usr/bin/bin/usr/sbin/sbin/opt/X11/bin
```

```
registered: '2020-09-24T02:45:49 +04:00',
latitude: 7.517078,
longitude: -94.882679,
availableFruit: 'apple',
availableSalads: 'Greek',
availableFoods: 'Sandwich'
```

```
Food> db.restaurant.aggregate([
  {
    $group: {
      "_id": "$_id",
      AverageDailySales: { $avg: "$DailySales" }
    }
  }
], { '_id': '_id', AverageDailySales: 2505.8145183748 })
Food>
```

8.8k 1 DOCUMENTS INDEXES

localhost:27017

MongoDB Compass - localhost:27017/Food.restaurant

**Food.restaurant**

Documents Aggregations Schema Explain Plan Indexes Validation

8.8k 1 DOCUMENTS INDEXES

**Food**

```
_id: ObjectId('636a8fb2f1f9a12ebd540741')
isActive: false
DailySales: 2120.9
logoColor: 'brown'
OwnerName: 'Leila Dickerson'
OwnerGender: 'female'
restaurantName: 'OPTYK'
email: 'leiladickerson@optyk.co'
phone: '+1 (924) 538-3002'
address: '665. Onal Court, Bolan'}
```

**Food**

```
{ _id: ObjectId('636a8fb3f1f9a12ebd5418c7'),
isActive: true,
DailySales: 1000.97,
logoColor: 'brown',
OwnerName: 'Esther Ford',
OwnerGender: 'female',
restaurantName: 'ASSISTIX',
email: 'estherford@assistix.com',
phone: '+1 (917) 567-3607',
address: '917 Hemlock Street, Greenbush, Northern Mariana Islands, 3556', }
```

**Food**

```
[ { _id: ObjectId('636a8fb3f1f9a12ebd5418c7'),
isActive: true,
DailySales: 1000.97,
logoColor: 'brown',
OwnerName: 'Esther Ford',
OwnerGender: 'female',
restaurantName: 'ASSISTIX',
email: 'estherford@assistix.com',
phone: '+1 (917) 567-3607',
address: '917 Hemlock Street, Greenbush, Northern Mariana Islands, 3556', }
```

**Food**

```
>_MONGOSH
```

localhost:27017

MongoDB Compass - localhost:27017/Food.restaurant

**Food.restaurant**

Documents Aggregations Schema Explain Plan Indexes Validation

8.8k 1 DOCUMENTS INDEXES

**Food**

```
_id: ObjectId('636a8fb2f1f9a12ebd540741')
isActive: false
DailySales: 2120.9
logoColor: 'brown'
OwnerName: 'Leila Dickerson'
OwnerGender: 'female'
restaurantName: 'OPTYK'
email: 'leiladickerson@optyk.co'
phone: '+1 (924) 538-3002'
address: '665. Onal Court, Bolan'}
```

**Food**

```
< { _id: ObjectId('636a8fb2f1f9a12ebd540996'),
isActive: false,
DailySales: 3999.92,
logoColor: 'blue',
OwnerName: 'Lang Farley',
OwnerGender: 'male',
restaurantName: 'FARMAGE',
email: 'langfarley@farmage.com',
phone: '+1 (891) 483-3121',
address: '289 Visitation Place, Como, Colorado, 4555', }
```

**Food**

```
[ { _id: ObjectId('636a8fb2f1f9a12ebd540996'),
isActive: false,
DailySales: 3999.92,
logoColor: 'blue',
OwnerName: 'Lang Farley',
OwnerGender: 'male',
restaurantName: 'FARMAGE',
email: 'langfarley@farmage.com',
phone: '+1 (891) 483-3121',
address: '289 Visitation Place, Como, Colorado, 4555', }
```

**Food**

Terminal Shell Edit View Window Help

MongoDB Compass - localhost:27017/Food.restaurant

localhost:27017 4 DBS 4 COLLECTIONS C

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 6.0.1 Community

My Queries Databases Filter your data Food restaurant admin config local

**Food.restaurant**

Documents Aggregations Schema Explain Plan Indexes Validation

0 FILTER { field: 'value' } OPTIONS FIND RESET ...

ADD DATA VIEW

Displaying documents 1 - 20 of 8762 < > C REFRESH

**Food**

```
_id: ObjectId('636...') isActive: false DailySales: 2120.9 logoColor: 'brown' OwnerName: 'Leila' OwnerGender: 'female' restaurantName: 'Ol' email: 'leiladicke...@...de' phone: '+1 (924) 5...-6650' address: '665 Opal' registered: '2020-0...-15' longitude: 40.48467 latitude: 13.53949 availavaleFruit: '...' availavaleSalads: '...' availavaleFoods: '...' [test> use Food switched to db Food Food> db.restaurant.countDocuments() 0] _id: ObjectId('636...') isActive: false DailySales: 2276.3 4387 Food> db.restaurant.count({isActive: {$eq: true}}) DeprecationWarning: Collection.count() is deprecated. Use countDocuments or estimatedDocumentCount.
```

> MONGOSH

```
> db.restaurant.count({isActive: {$eq: true}}) < 4387 Food>
```

Terminal Shell Edit View Window Help

MongoDB Compass - localhost:27017/Food.restaurant

localhost:27017 4 DBS 4 COLLECTIONS C

HOST localhost:27017

CLUSTER Standalone

EDITION MongoDB 6.0.1 Community

My Queries Databases Filter your data Food restaurant admin config local

**Food.restaurant**

Documents Aggregations Schema Explain Plan Indexes Validation

0 FILTER { field: 'value' } OPTIONS FIND RESET ...

ADD DATA VIEW

Displaying documents 1 - 20 of 8762 < > C REFRESH

**Food**

```
_id: ObjectId('636...') isActive: false DailySales: 2120.9 logoColor: 'brown' OwnerName: 'Leila' OwnerGender: 'female' restaurantName: 'Ol' email: 'leiladicke...@...de' phone: '+1 (924) 5...-6650' address: '665 Opal' registered: '2020-0...-15' longitude: 40.48467 latitude: 13.53949 availavaleFruit: '...' availavaleSalads: '...' availavaleFoods: '...' [test> use Food switched to db Food Food> db.restaurant.countDocuments() 0] _id: ObjectId('636...') isActive: false DailySales: 2276.3 8762 Food> db.restaurant.count({isActive: {$eq: true}})
```

> MONGOSH

```
> db.restaurant.countDocuments() < 8762
```