

MongoDB Compass - lab7/Lab_07.Lab

Connect Edit View Collection Help

lab7 Documents Lab_07.Lab

My Queries Databases Search

Lab_07 Lab Lab_07_v2 admin local

Lab_07.Lab 25.4k DOCUMENTS 1 INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

Filter Filter Reset Find Less Options

Project { _id : 1, address : 1, name : 1 }

Sort { field: -1 } or [{ 'field', -1 }] MaxTimeMS 60000

Collation { locale: 'simple' } Skip 0 Limit 0

EXPORT DATA 1 - 20 of 25360

_id: ObjectId('5eb3d668b31de5d588f4292a')
address: Object
name: "Riviera Caterer"

_id: ObjectId('5eb3d668b31de5d588f4292b')
address: Object
name: "Wilken'S Fine Food"

_id: ObjectId('5eb3d668b31de5d588f4292c')
address: Object
name: "Kosher Island"

_id: ObjectId('5eb3d668b31de5d588f4292d')
address: Object

> MONGOSH

all the documents (8.5 point)

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Filter Filter Reset Find Less Options

Project { grades : 1, restaurant_id : 1, name : 1, _id : 0 }

Sort { field: -1 } or [{ 'field', -1 }] MaxTimeMS 60000

Collation { locale: 'simple' } Skip 0 Limit 0

EXPORT DATA 1 - 20 of 25360

grades: Array
name: "Riviera Caterer"
restaurant_id: "48356018"

grades: Array
name: "Wilken'S Fine Food"
restaurant_id: "48356483"

grades: Array
name: "Kosher Island"
restaurant_id: "48356442"

grades: Array
name: "Wendy'S"
restaurant_id: "38112348"

> MONGOSH

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DOCUMENTS INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

Filter { borough: "Brooklyn" } Reset Find Less Options

Project { field: 0 }

Sort { field: -1 } or [['field', -1]] MaxTimeMS 60000

Collation { locale: 'simple' } Skip 0 Limit 10

ADD DATA EXPORT DATA

1 - 10 of 10

```
{ "_id": ObjectId("5eb3d668b31de5d588f4292a"),  
  "address": Object,  
    "borough": "Brooklyn",  
    "cuisine": "American",  
    "grades": Array,  
    "name": "Riviera Caterer",  
    "restaurant_id": "40356018",  
  "borough": "Brooklyn",  
  "cuisine": "Delicatessen",  
  "grades": Array,  
  "name": "Wilken'S Fine Food",  
  "restaurant_id": "40356483",  
  "borough": "Queens",  
  "cuisine": "Italian",  
  "grades": Array,  
  "name": "Riviera Ristorante",  
  "restaurant_id": "40356685",  
}
```

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DOCUMENTS INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

Filter { name: /Rivi/ } Reset Find Less Options

Project { _id : 1, address : 1, borough : 1, cuisine : 1, name : 1 }

Sort { field: -1 } or [['field', -1]] MaxTimeMS 60000

Collation { locale: 'simple' } Skip 0 Limit 0

EXPORT DATA

1 - 3 of 3

```
{ "_id": ObjectId("5eb3d668b31de5d588f4292a"),  
  "address": Object,  
    "borough": "Brooklyn",  
    "cuisine": "American",  
    "name": "Riviera Caterer",  
  "borough": "Queens",  
  "cuisine": "American",  
  "name": "Riviera",  
  "borough": "Queens",  
  "cuisine": "Italian",  
  "grades": Array,  
  "name": "Riviera Ristorante",  
  "restaurant_id": "40356685",  
}
```

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DOCUMENTS INDEXES

Documents Aggregations Schema Explain Plan Indexes Validation

Filter { "grades.score" : { \$gt : 50, \$lt : 60 } }
Project { field: 0 }
Sort { field: -1 } or [['field', -1]]
Collation { locale: 'simple' }
Skip 0 Limit 0
MaxTimeMS 60000

ADD DATA EXPORT DATA

1 - 20 of 340

```
{ "_id": ObjectId("5eb3d668b31de5d588f42936"),  
  "address": Object,  
    "borough": "Brooklyn",  
    "cuisine": "Chinese",  
  "grades": Array,  
    0: Object,  
      "date": 2014-09-16T00:00:00.000+00:00, "Array",  
      "grade": "B",  
      "score": 21,  
    1: Object,  
      "date": 2013-08-28T00:00:00.000+00:00,  
      "grade": "A",  
      "score": 7,  
    2: Object,  
      "date": 2013-04-02T00:00:00.000+00:00,  
      "grade": "C",  
      "score": 56,  
    3: Object,  
    4: Object,  
  "name": "May May Kitchen",  
  "restaurant_id": "40358429"
```

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Filter Type a query: { field: 'value' }
Project { field: 0 }
Sort { name : -1 }
Collation { locale: 'simple' }
Skip 0 Limit 0
MaxTimeMS 60000

ADD DATA EXPORT DATA

1 - 20 of 25360

```
{ "_id": ObjectId("5eb3d669b31de5d588f46d98"),  
  "address": Object,  
    "borough": "Staten Island",  
    "cuisine": "Pizza",  
  "grades": Array,  
    "name": "Zz'S Pizza & Grill",  
    "restaurant_id": "41782705",  
  },  
  { "_id": ObjectId("5eb3d669b31de5d588f4742c"),  
    "address": Object,  
      "borough": "Manhattan",  
      "cuisine": "Other",  
    "grades": Array,  
      "name": "Zz Clam Bar",  
      "restaurant_id": "50001062",  
    },  
  { "_id": ObjectId("5eb3d669b31de5d588f46ff8"),  
    "address": Object,  
      "borough": "Brooklyn",  
      "cuisine": "Chinese",  
    "grades": Array,  
      "name": "May May Kitchen",  
      "restaurant_id": "40358429",  
    }
```

```

db.Lab.aggregate([
  $unwind: "$grades"
},
{
  $group: {
    _id: "$_id",
    highest_score: {
      $max: "$grades.score"
    }
  }
}]

```

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Aggregations
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Pipeline \$project

Untitled - modified SAVE CREATE NEW EXPORT TO LANGUAGE

PREVIEW STAGES TEXT

Stage 1 \$project

```

1 {
2   _id : 0,
3   id : "$_id",
4   highest_score: {
5     $max: {
6       $map: {
7         input: "$grades",
8         as: "grade",
9         in: "$$grade.score"
10      }
11    }
12  }
13 }

```

Output after \$project stage (Sample of 10 documents)

| | |
|--|-------------------|
| id: ObjectId('5eb3d668b31de5d588f4292a') | highest_score: 12 |
| id: ObjectId('5eb3d668b31de5d588f4292b') | highest_score: 13 |

+ Add Stage

[Learn more about aggregation pipeline stages](#)

Documents: 25.4k
Storage Size: 4.2MB
Avg. Size: 408B
25.4k DOCUMENTS
Indexes: 1
Total Size: 774.1KB
Avg. Size: 774.1KB

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