

EXPLORER

≡ exercise.txt ✕

JS index.js 14. Exercise 1/mongo-demo

✕ ≡ exercise.txt 14. Exercise 1

> 01. Introducing MongoDB

> 02. Installing MongoDB On Mac

> 03. Installing MongoDB On Windows

> 04. Connecting To MongoDB

> 05. Schemas

> 06. Models

> 07. Saving A Document

> 08. Querying Documents

> 09. Comparison Query Operators

> 10. Logical Query Operators

> 11. Regular Expressions

> 12. Counting

> 13. Pagination

14. Exercise 1

```
> mongo-demo
```

```
{ exercise-data.json
```

≡ exercise.txt

 README.md

JS solution1.js

> 15. Exercise 2

> 16. Exercise 3

> 17. Updating Documents - Query First

> 18. Updating A Document - Update First

➤ 19. Removing Documents

> 20. CRUD Operations With Mongoose And Mongo...

[i](#) README.md

> OUTLINE

> TIMELINE

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14. Exercise 1 > ≡ exercise.txt

```
1 mongoimport --db mongo-exercises --collection courses --drop --file exercise-data.json --jsonArray
```

DEBUG CONSOLE PROBLEMS 1 OUTPUT TERMINAL

```
1: bash
```

```
dandy@My-Ubuntu:~/Keep/GitHub Repositories/Node.js/07. CRUD Operations Using MongoDB/Applications/14. Exercise 1$ mongoimport --db
mongo-exercises --collection courses --drop --file exercise-data.json --jsonArray
2020-05-10T22:08:07.419+0530   connected to: mongodb://localhost/
2020-05-10T22:08:07.420+0530   dropping: mongo-exercises.courses
2020-05-10T22:08:07.837+0530   7 document(s) imported successfully. 0 document(s) failed to import.
dandy@My-Ubuntu:~/Keep/GitHub Repositories/Node.js/07. CRUD Operations Using MongoDB/Applications/14. Exercise 1$
```

mongo-exercises.courses

DOCUMENTS	7	TOTAL SIZE	1.3KB	AVG. SIZE	191B
INDEXES	1	TOTAL SIZE	4.0KB	AVG. SIZE	4.0KB

Documents

Aggregations

Schema

Explain Plan

Indexes

Validation

 FILTER

► **OPTIONS**

FIND

RESET

...

INSERT DOCUMENT

VIEW

LIST

TABLE

Displaying documents 1 - 7 of 7

```
_id: "5a68fdc3615eda645bc6bdec"
tags: Array
date: "2018-01-24T21:42:27.388Z"
name: "Express.js Course"
author: "Mosh"
isPublished: true
price: 10
__v: 0
```

```

    _id: "5a68fdd7bee8ea64649c2777"
  > tags: Array
    date: "2018-01-24T21:42:47.912Z"
    name: "Node.js Course"
    author: "Mosh"
    isPublished: true
    price: 20
    __v: 0

```

```

    _id: "5a68fde3f09ad7646ddec17e"
  > tags: Array
    date: "2018-01-24T21:42:59.605Z"
    name: "ASP.NET MVC Course"
    author: "Mosh"
    isPublished: true
    price: 15
    __v: 0

```

```

_id: "5a68fdf95db93f6477053ddd"
> tags: Array
date: "2018-01-24T21:43:21.589Z"
name: "React Course"
author: "Mosh"
isPublished: false
__v: 0

```

```

    _id: "5a68fe2142ae6a6482c4c9cb"
  > tags: Array
    date: "2018-01-24T21:44:01.075Z"
    name: "Node.js Course by Jack"
    author: "Jack"
    isPublished: true
    price: 12
    __v: 0
  }
}

```

Activities

Visual Studio Code

Sun 22:10

exercise-data.json - Applications - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER

OPEN EDITORS

JS index.js 14. Exercise 1/mongo-demo

X {} exercise-data.json 14. Exercise 1

APPLICATIONS

> 01. Introducing MongoDB

> 02. Installing MongoDB On Mac

> 03. Installing MongoDB On Windows

> 04. Connecting To MongoDB

> 05. Schemas

> 06. Models

> 07. Saving A Document

> 08. Querying Documents

> 09. Comparison Query Operators

> 10. Logical Query Operators

> 11. Regular Expressions

> 12. Counting

> 13. Pagination

> 14. Exercise 1

> mongo-demo

> node_modules

JS index.js

{} package.json

{} exercise-data.json

exercise.txt

README.md

JS solution1.js

> 15. Exercise 2

> 16. Exercise 3

> 17. Updating Documents - Query First

> 18. Updating A Document - Update First

> 19. Removing Documents

> 20. CRUD Operations With Mongoose And Mongo...

README.md

OUTLINE

TIMELINE

JS index.js

{} exercise-data.json X

14. Exercise 1 > {} exercise-data.json > ...

1

2

3

4

5

6

7

8

9

{ "_id": "5a68fdc3615eda645bc6bdec", "tags": ["express", "backend"], "date": "2018-01-24T21:42:27.388Z", "name": "Express.

{ "_id": "5a68fdd7bee8ea64649c2777", "tags": ["node", "backend"], "date": "2018-01-24T21:42:47.912Z", "name": "Node.js Cou

{ "_id": "5a68fde3f09ad7646ddec17e", "tags": ["aspnet", "backend"], "date": "2018-01-24T21:42:59.605Z", "name": "ASP.NET M

{ "_id": "5a68fdf95db93f6477053ddd", "tags": ["react", "frontend"], "date": "2018-01-24T21:43:21.589Z", "name": "React Cou

{ "_id": "5a68fe2142ae6a6482c4c9cb", "tags": ["node", "backend"], "date": "2018-01-24T21:44:01.075Z", "name": "Node.js Cou

{ "_id": "5a68ff090c553064a218a547", "tags": ["node", "backend"], "date": "2018-01-24T21:47:53.128Z", "name": "Node.js Cou

{ "_id": "5a6900fff467be65019a9001", "tags": ["angular", "frontend"], "date": "2018-01-24T21:56:15.353Z", "name": "Angular

DEBUG CONSOLE

PROBLEMS 1

OUTPUT

TERMINAL

1: bash

dandy@My-Ubuntu: ~/Keep/GitHub Repositories/Node.js/07. CRUD Operations Using MongoDB/Applications/14. Exercise 1\$ mongoimport --db

mongo-exercises --collection courses --drop --file exercise-data.json --jsonArray

2020-05-10T22:08:07.419+0530 connected to: mongoddb://localhost/

2020-05-10T22:08:07.420+0530 dropping: mongo-exercises.courses

2020-05-10T22:08:07.837+0530 7 document(s) imported successfully. 0 document(s) failed to import.

dandy@My-Ubuntu: ~/Keep/GitHub Repositories/Node.js/07. CRUD Operations Using MongoDB/Applications/14. Exercise 1\$

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Spaces: 2

UTF-8

LF

JSON

Exercise

Get all the published backend courses,
sort them by their name,
pick only their name and author,
and display them.

Solution

Activities

Visual Studio Code

Sun 22:20

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index.js - Applications - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER

OPEN EDITORS

JS index.js 14. Exercise 1/mongo-demo

exercise-data.json 14. Exercise 1

APPLICATIONS

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> 11. Regular Expressions

> 12. Counting

> 13. Pagination

> 14. Exercise 1

> mongo-demo

> node_modules

JS index.js

package.json

exercise-data.json

exercise.txt

README.md

JS solution1.js

> 15. Exercise 2

> 16. Exercise 3

> 17. Updating Documents - Query First

> 18. Updating A Document - Update First

> 19. Removing Documents

> 20. CRUD Operations With Mongoose And Mongo...

README.md

OUTLINE

TIMELINE

JS index.js

exercise-data.json

14. Exercise 1 > mongo-demo > JS index.js > getCourses

```
1 const mongoose = require('mongoose');
2
3 mongoose.connect('mongodb://localhost/mongo-exercises');
4
5 const courseSchema = new mongoose.Schema({
6   name: String,
7   author: String,
8   tags: [ String ],
9   date: Date,
10  isPublished: Boolean,
11  price: Number
12 });
13
14 const Course = mongoose.model('Course', courseSchema);
15
16 async function getCourses() {
17   return await Course
18     .find({ isPublished: true, tags: 'backend' })
19     .sort({ name: 1 }) // or .sort('name') // for descending .sort('-name')
20 }
```

DEBUG CONSOLE

PROBLEMS 1

OUTPUT

TERMINAL

1: node

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dandy@My-Ubuntu:~/Keep/GitHub Repositories/Node.js/07. CRUD Operations Using MongoDB/Applications/14. Exercise 1/mongo-demo\$ node i
index.js
(node:12559) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new p
arser, pass option { useNewUrlParser: true } to MongoClient.connect.
(node:12559) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future vers
ion. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
[{ _id: 5a68fde3f09ad7646ddec17e,
 name: 'ASP.NET MVC Course',
 author: 'Mosh' },
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 name: 'Express.js Course',
 author: 'Mosh' },
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 name: 'Node.js Course',
 author: 'Mosh' },
 { _id: 5a68fe2142ae6a6482c4c9cb,
 name: 'Node.js Course by Jack',
 author: 'Jack' }]

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Spaces: 4

UTF-8

LF

Babel JavaScript

JavaScript Standard Style

Activities

Visual Studio Code

Sun 22:21

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index.js - Applications - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER

OPEN EDITORS

JS index.js 14. Exercise 1/mongo-demo

exercise-data.json 14. Exercise 1

APPLICATIONS

01. Introducing MongoDB

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07. Saving A Document

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11. Regular Expressions

12. Counting

13. Pagination

14. Exercise 1

mongo-demo

node_modules

JS index.js

package.json

exercise-data.json

exercise.txt

README.md

JS solution1.js

15. Exercise 2

16. Exercise 3

17. Updating Documents - Query First

18. Updating A Document - Update First

19. Removing Documents

20. CRUD Operations With Mongoose And Mongo...

README.md

OUTLINE

TIMELINE

JS index.js

exercise-data.json

14. Exercise 1 > mongo-demo > JS index.js > getCourses

```
16 async function getCourses() {
17   return await Course
18     .find({ isPublished: true, tags: 'backend' })
19     .sort({ name: 1 }) // or .sort('name') // for descending .sort('-name')
20     .select({ name: 1, author: 1 }); // or .select('name author')
21 }
22
23 async function run() {
24   const courses = await getCourses();
25   console.log(courses);
26 }
27
28 run();
29
```

DEBUG CONSOLE

PROBLEMS 1

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name: 'Express.js Course',

author: 'Mosh' },

{ _id: 5a68fdd7bee8ea64649c2777,

name: 'Node.js Course',

author: 'Mosh' },

{ _id: 5a68fe2142ae6a6482c4c9cb,

name: 'Node.js Course by Jack',

author: 'Jack' }]

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Spaces: 4

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Babel JavaScript

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