MongoDB shell version v4.4.4

connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb

Implicit session: session { "id" : UUID("181c4075-a7d6-4677-a3c0-baa5cc522ef7") }

MongoDB server version: 4.4.4

Welcome to the MongoDB shell.

For interactive help, type "help".

For more comprehensive documentation, see

https://docs.mongodb.com/

Questions? Try the MongoDB Developer Community Forums

https://community.mongodb.com

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The server generated these startup warnings when booting:

2021-04-06T12:24:16.133-04:00: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted

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---

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()

---

> show dbs

admin 0.000GB

config 0.000GB

local 0.000GB

test1 0.000GB

> use test1

switched to db test1

> show collections

products

> db.dropDatabase()

{ "dropped" : "test1", "ok" : 1 }

> show dbs

admin 0.000GB

config 0.000GB

local 0.000GB

> use acme

switched to db acme

> show dbs

admin 0.000GB

config 0.000GB

local 0.000GB

> db

acme

> db.createCollection('posts')

{ "ok" : 1 }

> show dbs

acme 0.000GB

admin 0.000GB

config 0.000GB

local 0.000GB

> db

acme

> show collections

posts

> db.posts.insert({

... title:'Post One',

... body: 'Body of post one',

... category: 'News',

... likes: 4,

... tags: ['news', 'events'],

... user: {

... name: 'John Doe',

... status: 'author'

... },

... date: Date()

... })

WriteResult({ "nInserted" : 1 })

> db.posts.insert({ title:'Post One', body: 'Body of post one', category: 'News', likes: 4, tags: ['news', 'events'], user: { name: 'John Doe', status: 'author' }, date: Date() })

WriteResult({ "nInserted" : 1 })

> db.post.insertMany([

... {

... title: 'Post Two',

... body: 'Body of post two',

... category: 'Technology',

... date: Date()

... },

... {

... title: 'Post Three',

... body: 'Body of post three',

... category: 'News',

... date: Date()

... },

... {

... title: 'Post Four',

... body: 'Body of post four',

... category: 'Entertainment',

... date: Date()

... }

... ])

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("606ca0ae1d52543cae015144"),

ObjectId("606ca0ae1d52543cae015145"),

ObjectId("606ca0ae1d52543cae015146")

]

}

> db.posts.find()

{ "\_id" : ObjectId("606c986a1d52543cae015142"), "title" : "Post One", "body" : "Body of post one", "category" : "News", "likes" : 4, "tags" : [ "news", "events" ], "user" : { "name" : "John Doe", "status" : "author" }, "date" : "Tue Apr 06 2021 13:20:42 GMT-0400 (Eastern Summer Time)" }

{ "\_id" : ObjectId("606ca06d1d52543cae015143"), "title" : "Post One", "body" : "Body of post one", "category" : "News", "likes" : 4, "tags" : [ "news", "events" ], "user" : { "name" : "John Doe", "status" : "author" }, "date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)" }

> db.posts.find().pretty

function() {

this.\_prettyShell = true;

return this;

}

> db.posts.insertMany([

... {

... title: 'Post Two',

... body: 'Body of post two',

... category: 'Technology',

... date: Date()

... },

... {

... title: 'Post Three',

... body: 'Body of post three',

... category: 'News',

... date: Date()

... },

... {

... title: 'Post Four',

... body: 'Body of post four',

... category: 'Entertainment',

... date: Date()

... }

... ^C

> db.posts.insertMany([

... {

... title: 'Post Two',

... body: 'Body of post two',

... category: 'Technology',

... date: Date()

... },

... {

... title: 'Post Three',

... body: 'Body of post three',

... category: 'News',

... date: Date()

... },

... {

... title: 'Post Four',

... body: 'Body of post four',

... category: 'Entertainment',

... date: Date()

... }

... ])

{

"acknowledged" : true,

"insertedIds" : [

ObjectId("606ca12b1d52543cae015147"),

ObjectId("606ca12b1d52543cae015148"),

ObjectId("606ca12b1d52543cae015149")

]

}

> db.posts.find().pretty

function() {

this.\_prettyShell = true;

return this;

}

> db.posts.find()

{ "\_id" : ObjectId("606c986a1d52543cae015142"), "title" : "Post One", "body" : "Body of post one", "category" : "News", "likes" : 4, "tags" : [ "news", "events" ], "user" : { "name" : "John Doe", "status" : "author" }, "date" : "Tue Apr 06 2021 13:20:42 GMT-0400 (Eastern Summer Time)" }

{ "\_id" : ObjectId("606ca06d1d52543cae015143"), "title" : "Post One", "body" : "Body of post one", "category" : "News", "likes" : 4, "tags" : [ "news", "events" ], "user" : { "name" : "John Doe", "status" : "author" }, "date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)" }

{ "\_id" : ObjectId("606ca12b1d52543cae015147"), "title" : "Post Two", "body" : "Body of post two", "category" : "Technology", "date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)" }

{ "\_id" : ObjectId("606ca12b1d52543cae015148"), "title" : "Post Three", "body" : "Body of post three", "category" : "News", "date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)" }

{ "\_id" : ObjectId("606ca12b1d52543cae015149"), "title" : "Post Four", "body" : "Body of post four", "category" : "Entertainment", "date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)" }

> db.posts.find().pretty

function() {

this.\_prettyShell = true;

return this;

}

> db.posts.find({category: 'News'}).pretty()

{

"\_id" : ObjectId("606c986a1d52543cae015142"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"likes" : 4,

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:20:42 GMT-0400 (Eastern Summer Time)"

}

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"likes" : 4,

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)"

}

{

"\_id" : ObjectId("606ca12b1d52543cae015148"),

"title" : "Post Three",

"body" : "Body of post three",

"category" : "News",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

> db.posts.find().pretty()

{

"\_id" : ObjectId("606c986a1d52543cae015142"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"likes" : 4,

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:20:42 GMT-0400 (Eastern Summer Time)"

}

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"likes" : 4,

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)"

}

{

"\_id" : ObjectId("606ca12b1d52543cae015147"),

"title" : "Post Two",

"body" : "Body of post two",

"category" : "Technology",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

{

"\_id" : ObjectId("606ca12b1d52543cae015148"),

"title" : "Post Three",

"body" : "Body of post three",

"category" : "News",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

{

"\_id" : ObjectId("606ca12b1d52543cae015149"),

"title" : "Post Four",

"body" : "Body of post four",

"category" : "Entertainment",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

> db.posts.find().sort({title: 1}).pretty()

{

"\_id" : ObjectId("606ca12b1d52543cae015149"),

"title" : "Post Four",

"body" : "Body of post four",

"category" : "Entertainment",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

{

"\_id" : ObjectId("606c986a1d52543cae015142"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"likes" : 4,

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:20:42 GMT-0400 (Eastern Summer Time)"

}

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"likes" : 4,

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)"

}

{

"\_id" : ObjectId("606ca12b1d52543cae015148"),

"title" : "Post Three",

"body" : "Body of post three",

"category" : "News",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

{

"\_id" : ObjectId("606ca12b1d52543cae015147"),

"title" : "Post Two",

"body" : "Body of post two",

"category" : "Technology",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

> db.posts.find({category: 'News'}).count()

3

> db.posts.find().limit(2)

{ "\_id" : ObjectId("606c986a1d52543cae015142"), "title" : "Post One", "body" : "Body of post one", "category" : "News", "likes" : 4, "tags" : [ "news", "events" ], "user" : { "name" : "John Doe", "status" : "author" }, "date" : "Tue Apr 06 2021 13:20:42 GMT-0400 (Eastern Summer Time)" }

{ "\_id" : ObjectId("606ca06d1d52543cae015143"), "title" : "Post One", "body" : "Body of post one", "category" : "News", "likes" : 4, "tags" : [ "news", "events" ], "user" : { "name" : "John Doe", "status" : "author" }, "date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)" }

> db.posts.find().sort({ title: -1}limit(2)

... ^C

> db.posts.find().sort({title: -1}).limit(2)

{ "\_id" : ObjectId("606ca12b1d52543cae015147"), "title" : "Post Two", "body" : "Body of post two", "category" : "Technology", "date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)" }

{ "\_id" : ObjectId("606ca12b1d52543cae015148"), "title" : "Post Three", "body" : "Body of post three", "category" : "News", "date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)" }

> db.posts.find().forEach(function(doc) { print('Blog Post: ' + doc.title)})

Blog Post: Post One

Blog Post: Post One

Blog Post: Post Two

Blog Post: Post Three

Blog Post: Post Four

> db.posts.findOne({ category: 'News })

uncaught exception: SyntaxError: '' literal not terminated before end of script :

@(shell):1:37

> db.posts.findOne({ category: 'News' })

{

"\_id" : ObjectId("606c986a1d52543cae015142"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"likes" : 4,

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:20:42 GMT-0400 (Eastern Summer Time)"

}

> db.post.update({ title: 'Post Two' },

... {

... title: 'Post Two',

... body: 'New post 2 body',

... date: Date()

... },

... {

... upsert: true

... }

... )

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.posts.find({ title: 'Post Two' }).pretty()

{

"\_id" : ObjectId("606ca12b1d52543cae015147"),

"title" : "Post Two",

"body" : "Body of post two",

"category" : "Technology",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

> db.post.update({ title: 'Post Two' },

... {

... $set: {

... body: 'Body of post 2'

... category: 'Technology'

... }

... }

... )

uncaught exception: SyntaxError: missing } after property list :

@(shell):5:4

> db.post.update({ title: 'Post Two' },

... {

... $set: {

... body: 'Body of post 2'

... category: 'Technology'

... }

... }

... )

uncaught exception: SyntaxError: missing } after property list :

@(shell):5:6

> db.post.update({ title: 'Post Two' },

... {

... $set: {

... body: 'Body of post 2',

... category: 'Technology'

... }

... }

... )

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.posts.find({ title: 'Post Two' }).pretty()

{

"\_id" : ObjectId("606ca12b1d52543cae015147"),

"title" : "Post Two",

"body" : "Body of post two",

"category" : "Technology",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

> db.posts.find({ title: 'Post One' }).pretty()

{

"\_id" : ObjectId("606c986a1d52543cae015142"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"likes" : 4,

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:20:42 GMT-0400 (Eastern Summer Time)"

}

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"likes" : 4,

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)"

}

> db.posts.find({ title: 'Post One' }).pretty()

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"likes" : 4,

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)"

}

> db.posts.update({ title: 'Post One }, { $inc: { likes: 2} })

uncaught exception: SyntaxError: '' literal not terminated before end of script :

@(shell):1:60

> db.posts.update({ title: 'Post One' }, { $inc: { likes: 2} })

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.posts.find({ title: 'Post One' }).pretty()

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"likes" : 6,

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)"

}

> db.posts.update({ title: 'Post One' }, { $rename: { likes: views} })

uncaught exception: ReferenceError: views is not defined :

@(shell):1:53

> db.posts.update({ title: 'Post One' }, { $rename: { likes: 'views'} })

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.posts.find({ title: 'Post One' }).pretty()

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)",

"views" : 6

}

> db.post.remove({ Title: 'Post Four' })

WriteResult({ "nRemoved" : 0 })

> db.posts.find().pretty()

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)",

"views" : 6

}

{

"\_id" : ObjectId("606ca12b1d52543cae015147"),

"title" : "Post Two",

"body" : "Body of post two",

"category" : "Technology",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

{

"\_id" : ObjectId("606ca12b1d52543cae015148"),

"title" : "Post Three",

"body" : "Body of post three",

"category" : "News",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

{

"\_id" : ObjectId("606ca12b1d52543cae015149"),

"title" : "Post Four",

"body" : "Body of post four",

"category" : "Entertainment",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

> db.post.remove({ title: 'Post Four' })

WriteResult({ "nRemoved" : 0 })

> db.posts.remove({ title: 'Post Four' })

WriteResult({ "nRemoved" : 1 })

> db.posts.find().pretty()

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)",

"views" : 6

}

{

"\_id" : ObjectId("606ca12b1d52543cae015147"),

"title" : "Post Two",

"body" : "Body of post two",

"category" : "Technology",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

{

"\_id" : ObjectId("606ca12b1d52543cae015148"),

"title" : "Post Three",

"body" : "Body of post three",

"category" : "News",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

> db.post.update({ title: 'Post One' },

... {

... //update only listed items//

... $set: {

... comments: [

... {

... user: 'Mary Williams',

... body: 'Comment One',

... date: Date()

... },

... {

... user: 'mary Black',

... body: 'Comment One too many',

... date: Date()

... }

... ]

... }

... }

... )

WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })

> db.post.update({ title: 'Post One' },

... {

... $set: {

... comments: [

... {

... user: 'Mary Williams',

... body: 'Comment One',

... date: Date()

... },

... {

... user: 'mary Black',

... body: 'Comment One too many',

... date: Date()

... }

... ]

... }

... }

... )

WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })

> db.posts.find({ title: 'Post One' }).pretty()

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)",

"views" : 6

}

> db.post.update({ title: 'Post One' }, { $set: { comments: [ { user: 'Mary Williams', body: 'Comment One', date: Date() }, { user: 'mary Black', body: 'Comment One too many', date: Date() } ] } } )db.posts.update({ title: 'Post One' },

... {

... $set: {

... comments: [

... {

... user: 'Mary Williams',

... body: 'Comment One',

... date: Date()

... },

... {

... user: 'mary Black',

... body: 'Comment One too many',

... date: Date()

... }

... ]

... }

... }

... )

uncaught exception: SyntaxError: unexpected token: identifier :

@(shell):1:312

> db.posts.update({ title: 'Post One' },

... {

... $set: {

... comments: [

... {

... user: 'Mary Williams',

... body: 'Comment One',

... date: Date()

... },

... {

... user: 'mary Black',

... body: 'Comment One too many',

... date: Date()

... }

... ]

... }

... }

... )

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.posts.find({ title: 'Post One' }).pretty()

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)",

"views" : 6,

"comments" : [

{

"user" : "Mary Williams",

"body" : "Comment One",

"date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)"

},

{

"user" : "mary Black",

"body" : "Comment One too many",

"date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)"

}

]

}

> db.posts.find({

... comments: {

... $elemMatch: {

... user: 'Mary Williams'

... }

... }

... })

{ "\_id" : ObjectId("606ca06d1d52543cae015143"), "title" : "Post One", "body" : "Body of post one", "category" : "News", "tags" : [ "news", "events" ], "user" : { "name" : "John Doe", "status" : "author" }, "date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)", "views" : 6, "comments" : [ { "user" : "Mary Williams", "body" : "Comment One", "date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)" }, { "user" : "mary Black", "body" : "Comment One too many", "date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)" } ] }

> db.posts.find({ title: 'Post One' }).pretty()

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)",

"views" : 6,

"comments" : [

{

"user" : "Mary Williams",

"body" : "Comment One",

"date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)"

},

{

"user" : "mary Black",

"body" : "Comment One too many",

"date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)"

}

]

}

> db.posts.find({ comments: { $elemMatch: { user: 'Mary Williams' } } })

{ "\_id" : ObjectId("606ca06d1d52543cae015143"), "title" : "Post One", "body" : "Body of post one", "category" : "News", "tags" : [ "news", "events" ], "user" : { "name" : "John Doe", "status" : "author" }, "date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)", "views" : 6, "comments" : [ { "user" : "Mary Williams", "body" : "Comment One", "date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)" }, { "user" : "mary Black", "body" : "Comment One too many", "date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)" } ] }

> db.posts.find({ comments: { $elemMatch: { user: 'Mary Williams' } } }).pretty()

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)",

"views" : 6,

"comments" : [

{

"user" : "Mary Williams",

"body" : "Comment One",

"date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)"

},

{

"user" : "mary Black",

"body" : "Comment One too many",

"date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)"

}

]

}

> db.posts.createIndex({ title: 'text' })

{

"createdCollectionAutomatically" : false,

"numIndexesBefore" : 1,

"numIndexesAfter" : 2,

"ok" : 1

}

> db.posts.find({

... $text: {

... $search: "\"Post O\""

... }

... })

{ "\_id" : ObjectId("606ca06d1d52543cae015143"), "title" : "Post One", "body" : "Body of post one", "category" : "News", "tags" : [ "news", "events" ], "user" : { "name" : "John Doe", "status" : "author" }, "date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)", "views" : 6, "comments" : [ { "user" : "Mary Williams", "body" : "Comment One", "date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)" }, { "user" : "mary Black", "body" : "Comment One too many", "date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)" } ] }

> db.posts.find({ $text: { $search: "\"Post O\"" } }).pretty()

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)",

"views" : 6,

"comments" : [

{

"user" : "Mary Williams",

"body" : "Comment One",

"date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)"

},

{

"user" : "mary Black",

"body" : "Comment One too many",

"date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)"

}

]

}

> db.posts.find({ $text: { $search: "\"Post T\"" } }).pretty()

{

"\_id" : ObjectId("606ca12b1d52543cae015148"),

"title" : "Post Three",

"body" : "Body of post three",

"category" : "News",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

{

"\_id" : ObjectId("606ca12b1d52543cae015147"),

"title" : "Post Two",

"body" : "Body of post two",

"category" : "Technology",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)"

}

> db.posts.update({ title: 'Post Two' }, { $set: {views: 10} })

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.posts.find({ views: { $gt:3 } })

{ "\_id" : ObjectId("606ca06d1d52543cae015143"), "title" : "Post One", "body" : "Body of post one", "category" : "News", "tags" : [ "news", "events" ], "user" : { "name" : "John Doe", "status" : "author" }, "date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)", "views" : 6, "comments" : [ { "user" : "Mary Williams", "body" : "Comment One", "date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)" }, { "user" : "mary Black", "body" : "Comment One too many", "date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)" } ] }

{ "\_id" : ObjectId("606ca12b1d52543cae015147"), "title" : "Post Two", "body" : "Body of post two", "category" : "Technology", "date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)", "views" : 10 }

> db.posts.find({ views: { $gt:3 } }).pretty()

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)",

"views" : 6,

"comments" : [

{

"user" : "Mary Williams",

"body" : "Comment One",

"date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)"

},

{

"user" : "mary Black",

"body" : "Comment One too many",

"date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)"

}

]

}

{

"\_id" : ObjectId("606ca12b1d52543cae015147"),

"title" : "Post Two",

"body" : "Body of post two",

"category" : "Technology",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)",

"views" : 10

}

> db.posts.find({ views: { $gt:6 } }).pretty()

{

"\_id" : ObjectId("606ca12b1d52543cae015147"),

"title" : "Post Two",

"body" : "Body of post two",

"category" : "Technology",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)",

"views" : 10

}

> db.posts.find({ views: { $gte:6 } }).pretty()

{

"\_id" : ObjectId("606ca06d1d52543cae015143"),

"title" : "Post One",

"body" : "Body of post one",

"category" : "News",

"tags" : [

"news",

"events"

],

"user" : {

"name" : "John Doe",

"status" : "author"

},

"date" : "Tue Apr 06 2021 13:54:53 GMT-0400 (Eastern Summer Time)",

"views" : 6,

"comments" : [

{

"user" : "Mary Williams",

"body" : "Comment One",

"date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)"

},

{

"user" : "mary Black",

"body" : "Comment One too many",

"date" : "Tue Apr 06 2021 17:24:51 GMT-0400 (Eastern Summer Time)"

}

]

}

{

"\_id" : ObjectId("606ca12b1d52543cae015147"),

"title" : "Post Two",

"body" : "Body of post two",

"category" : "Technology",

"date" : "Tue Apr 06 2021 13:58:03 GMT-0400 (Eastern Summer Time)",

"views" : 10

}

>