**MongoDB Cheat Sheet 2022**

1. **Check `monosh` Version**

mongosh --version

1. **Start the Mongo Shell**

mongosh "YOUR\_CONNECTION\_STRING" --username YOUR\_USER\_NAME

1. **Show Current Database**

Db

1. **Show All Databases**

show dbs

1. **Create Or Switch Database**

use blog

db.stats() // *return a document that reports on the state of the current database.*

1. **Drop Database**

db.dropDatabase()

db.myCollection.drop() //Drop a collection

1. **Create Collection**

db.createCollection('posts')

1. **Show Collections**

show collections

1. **Insert Document**

db.posts.insertOne({

title: 'Post 1',

body: 'Body of post.',

category: 'News',

likes: 1,

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

date: Date()

})

1. **Insert Multiple Documents**

*>> When inserting multiple documents, we use an array of BSON documents(objects)*

db.posts.insertMany([

{

title: 'Post 2',

body: 'Body of post.',

category: 'Event',

likes: 2,

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

date: Date()

},

{

title: 'Post 3',

body: 'Body of post.',

category: 'Tech',

likes: 3,

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

date: Date()

},

{

title: 'Post 4',

body: 'Body of post.',

category: 'Event',

likes: 4,

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

date: Date()

},

{

title: 'Post 5',

body: 'Body of post.',

category: 'News',

likes: 5,

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

date: Date()

}

])

1. **Find All Documents**

db.posts.find() //Displays the first $20 documents according to MongoDB Shell.

db.posts.find().pretty() //Display data in a good format.

Db.posts.find().toArray() //Displays all the documents in an array.

1. **Find Documents with Query**

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

1. **Sort Documents**

*### Ascending*

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

*### Descending*

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

1. **Count Documents**

db.posts.find().count()

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

1. **Limit Documents**

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

1. **Chaining**

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

1. **Find One Document**

db.posts.findOne({ likes: { $gt: 3 } })

1. **Update Document**

db.posts.updateOne({ title: 'Post 1' },

{

$set: {

category: 'Tech'

}

})

1. **Update Document or Insert if not Found**

db.posts.updateOne({ title: 'Post 6' },

{

$set: {

title: 'Post 6',

body: 'Body of post.',

category: 'News'

}

},

{

upsert: true

})

1. **Increment Field (`$inc`)**

db.posts.updateOne({ title: 'Post 1' },

{

$inc: {

likes: 2

}

})

1. **Update Multiple Documents**

db.posts.updateMany({}, {

$inc: {

likes: 1

}

})

1. **Rename Field**

db.posts.updateOne({ title: 'Post 2' },

{

$rename: {

likes: 'views'

}

})

1. **Delete a Document**

db.posts.deleteOne({ title: 'Post 6' })

1. **Delete Multiple Documents**

db.posts.deleteMany({ category: 'Tech' })

1. **Greater & Less Than**

db.posts.find({ views: { $gt: 2 } })

db.posts.find({ views: { $gte: 7 } })

db.posts.find({ views: { $lt: 7 } })

db.posts.find({ views: { $lte: 7 } })

https://gist.github.com/mourice-oduor/04f188b2ee0c0087e1f86d7756439211