

MongoDB Cheat Sheet 2022

a) Check `monosh` Version

```
mongosh --version
```

b) Start the Mongo Shell

```
mongosh "YOUR_CONNECTION_STRING" --username YOUR_USER_NAME
```

c) Show Current Database

```
Db
```

d) Show All Databases

```
show dbs
```

e) Create Or Switch Database

```
use blog
```

f) Drop Database

```
db.dropDatabase()
```

g) Create Collection

```
db.createCollection('posts')
```

h) Show Collections

```
show collections
```

i) Insert Document

```
db.posts.insertOne({  
  title: 'Post 1',
```

```
body: 'Body of post.',  
category: 'News',  
likes: 1,  
tags: ['news', 'events'],  
date: Date()  
})
```

j) Insert Multiple Documents

```
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()  
  }  
])
```

k) Find All Documents

```
db.posts.find()
```

l) Find Documents with Query

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

m) Sort Documents

Ascending

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

Descending

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

n) Count Documents

```
db.posts.find().count()
```

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

o) Limit Documents

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

p) Chaining

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

q) Find One Document

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

r) Update Document

```
db.posts.updateOne({ title: 'Post 1' },  
{  
  $set: {  
    category: 'Tech'  
  }  
})
```

s) 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
```

```
}}
```

t) Increment Field (`\$inc`)

```
db.posts.updateOne({ title: 'Post 1' },  
  {  
    $inc: {  
      likes: 2  
    }  
  })
```

u) Update Multiple Documents

```
db.posts.updateMany({}, {  
  $inc: {  
    likes: 1  
  }  
})
```

v) Rename Field

```
db.posts.updateOne({ title: 'Post 2' },  
  {  
    $rename: {  
      likes: 'views'  
    }  
  })
```

w) Delete a Document

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

x) Delete Multiple Documents

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

y) 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>