

MongoDB Cheat Sheet

1. Basic Commands

```
show dbs           // List all databases

use myDatabase     // Switch to (or create) a database

db                // Show current database

show collections   // List collections in current DB
```

2. CRUD Operations

Create / Insert

```
db.users.insertOne({ name: "Alice", age: 25 }) // Insert one document

db.users.insertMany([ { name: "Bob" }, { name: "Eve" } ]) // Insert multiple
```

Read / Query

```
db.users.find()           // Find all documents

db.users.findOne({ name: "Alice" }) // Find one

db.users.find({ age: { $gt: 20 } }) // Find with condition

db.users.find().pretty()   // Prettify output
```

Update

```
db.users.updateOne(  
  { name: "Alice" },  
  { $set: { age: 26 } }  
)
```

```
db.users.updateMany(  
  { age: { $lt: 18 } },  
  { $set: { status: "minor" } }  
)
```

Delete

```
db.users.deleteOne({ name: "Alice" })      // Delete one  
db.users.deleteMany({ age: { $lt: 18 } })  // Delete many
```

3. Collection Operations

```
db.createCollection("products")    // Create collection  
db.products.drop()                  // Delete collection
```

4. Indexing

```
db.users.createIndex({ name: 1 })    // Create ascending index  
db.users.getIndexes()                // List indexes
```

5. Aggregation Example

```
db.orders.aggregate([  
  { $match: { status: "delivered" } },  
  { $group: { _id: "$customerId", total: { $sum: "$amount" } } }  
])
```

6. Miscellaneous

```
db.stats()                // DB statistics  
  
db.users.stats()          // Collection stats  
  
db.users.countDocuments() // Count documents
```