MongoDB Database and Collection Commands

# 📂 Database-Level Commands

show dbs

Lists all databases on the server.

use <databaseName>

Switches to or creates a new database.

db

Displays the current selected database.

db.dropDatabase()

Deletes the currently selected database.

db.stats()

Returns statistics about the current database.

# 📄 Collection (Table) Commands

show collections

Lists all collections (equivalent to tables) in the current database.

db.createCollection("<name>")

Explicitly creates a new collection.

db.<collection>.drop()

Drops (deletes) a collection.

db.getCollectionNames()

Returns an array of all collection names.

db.getCollectionInfos()

Returns detailed info about collections.

db.<collection>.stats()

Returns statistics about a specific collection.

# 📑 Document (Row) Commands

db.<collection>.find()

Retrieves documents from a collection.

db.<collection>.findOne()

Retrieves a single document.

db.<collection>.insertOne({...})

Inserts a single document.

db.<collection>.insertMany([...])

Inserts multiple documents.

db.<collection>.updateOne({...}, {...})

Updates the first matching document.

db.<collection>.updateMany({...}, {...})

Updates multiple documents.

db.<collection>.deleteOne({...})

Deletes the first matching document.

db.<collection>.deleteMany({...})

Deletes all matching documents.

db.<collection>.countDocuments({...})

Counts documents matching a condition.

db.<collection>.aggregate([...])

Runs aggregation pipeline queries.

# ⚙️ Index and Schema Inspection

db.<collection>.getIndexes()

Lists all indexes on a collection.

db.<collection>.createIndex({ field: 1 })

Creates an index on a field.

db.<collection>.validate()

Checks the integrity of the collection.

# 🧪 Utility Commands

db.version()

Returns the version of MongoDB server.

db.serverStatus()

Displays server status and usage stats.

db.currentOp()

Shows currently running operations.

db.getMongo()

Returns the Mongo object representing the connection.

db.getSiblingDB("<otherDB>")

Access another DB without switching context.