

■■ MongoDB Basics & Shell Commands Guide

What is MongoDB Community Server?

It is the free version of MongoDB that you install on your computer to run a MongoDB database locally.

What is MongoDB Shell (mongosh)?

It is a command-line tool to interact with your MongoDB database. You can insert, update, delete, and read data using it.

Create/Use a Database

``use myDatabase`` – Switches to or creates a new database named 'myDatabase'.

Create Collection (Explicit)

``db.createCollection('collectionName')`` – Creates a new empty collection manually.

Create Collection (Implicit)

``db.collectionName.insertOne({...})`` – Automatically creates the collection when inserting a document.

Show All Collections

``show collections`` – Displays all collections in the current database.

Show All Databases

``show dbs`` – Lists all databases that have at least one collection with data.

Check Current Database

``db`` – Shows the name of the current database in use.

Clear the Shell Screen

``Ctrl + L`` – Clears the visible shell screen (does not delete data).

Rename Collection

``db.oldCollectionName.renameCollection('newCollectionName')`` – Renames a collection.

Rename with Overwrite

``db.oldCollectionName.renameCollection('newCollectionName', true)`` – Renames and overwrites if new name exists.

Delete (Drop) Collection

``db.collectionName.drop()`` – Permanently deletes a collection and its data.

Help for Database Commands

``db.help()`` – Shows all available helper functions for working with the database.

Help for Collection Commands

``db.collectionName.help()`` – Shows all helper functions for working with a specific collection.