

MongoDB Commands

General Commands

- `mongo` : Starts the MongoDB shell.
- `exit` or `quit()` : Exits the MongoDB shell.

Working with Databases

- `show dbs` or `show databases` : Lists all databases on the server.
- `use <database>` : Switches to a specified database. If the database does not exist, it will be created when you first store data.
- `db` : Shows the currently selected database.
- `db.dropDatabase()` : Drops the currently selected database.

Working with Collections

- `show collections` : Lists all collections in the current database.
- `db.createCollection(<name>, <options>)` : Creates a new collection with optional parameters.
- `db.<collection>.drop()` : Drops a specified collection.
- `db.<collection>.renameCollection(<newName>, <dropTarget>)` : Renames a collection.

Document Operations

- `db.<collection>.find(<query>, <projection>)` : Queries documents in the collection.
- `db.<collection>.insertOne(<document>)` : Inserts a single document into the collection.
- `db.<collection>.insertMany([<documents>])` : Inserts multiple documents into the collection.
- `db.<collection>.updateOne(<filter>, <update>, <options>)` : Updates a single document.
- `db.<collection>.updateMany(<filter>, <update>, <options>)` : Updates multiple documents.
- `db.<collection>.replaceOne(<filter>, <newDocument>, <options>)` : Replaces a single document.
- `db.<collection>.deleteOne(<filter>)` : Deletes a single document.
- `db.<collection>.deleteMany(<filter>)` : Deletes multiple documents.

- `db.<collection>.countDocuments(<filter>, <options>)` : Counts the number of documents that match the filter.
- `db.<collection>.aggregate(<pipeline>, <options>)` : Processes data records and returns computed results.

Index Management

- `db.<collection>.createIndex(<keys>, <options>)` : Creates an index on the collection.
- `db.<collection>.getIndexes()` : Lists all indexes on the collection.
- `db.<collection>.dropIndex(<indexName>)` : Drops a specified index.

User and Role Management

- `db.createUser(<user>)` : Creates a new user.
- `db.updateUser(<username>, <changes>)` : Updates an existing user.
- `db.dropUser(<username>)` : Deletes a user.
- `db.createRole(<role>)` : Creates a new role.
- `db.updateRole(<rolename>, <changes>)` : Updates an existing role.
- `db.dropRole(<rolename>)` : Deletes a role.

Administrative Commands

- `db.stats()` : Returns statistics about the current database.
- `db.serverStatus()` : Provides an overview of the server's current state.
- `db.currentOp()` : Displays currently executing operations in the mongod instance.
- `db.killOp(<opId>)` : Kills a specified operation.

Miscellaneous

- `db.fsyncLock()` : Locks the database for backups.
- `db.fsyncUnlock()` : Unlocks the database.