25 Most Common MongoDB Operations

insertOne()

Insert a single document.

db.collection.insertOne({ name: "Alice" })

insertMany()

Insert multiple documents.

db.collection.insertMany([{ name: "Bob" }, { name: "Charlie" }])

find()

Find documents matching a query.

db.collection.find({ age: { $gte: 18 } })

findOne()

Find the first document matching a query.

db.collection.findOne({ name: "Alice" })

find().limit()

Limit the number of documents.

db.collection.find().limit(5)

find().skip()

Skip a number of documents (pagination).

db.collection.find().skip(10)

find().sort()

Sort query results.

db.collection.find().sort({ age: -1 })

distinct()

Return distinct values for a field.

db.collection.distinct("city")

countDocuments()

Count the number of matching documents.

db.collection.countDocuments({ active: true })

updateOne()

Update the first matching document.

db.collection.updateOne({ name: "Alice" }, { $set: { age: 30 } })

updateMany()

Update multiple matching documents.

db.collection.updateMany({ age: { $lt: 18 } }, { $set: { minor: true } })

replaceOne()

Replace an entire document.

db.collection.replaceOne({ name: "Alice" }, { name: "Alice", age: 31 })

deleteOne()

Delete a single document.

db.collection.deleteOne({ name: "Bob" })

deleteMany()

Delete multiple documents.

db.collection.deleteMany({ inactive: true })

aggregate()

Perform aggregation operations.

db.collection.aggregate([{ $match: { age: { $gt: 18 } } }, { $group: { _id: "$city", count: { $sum: 1 } } }])

createIndex()

Create an index.

db.collection.createIndex({ email: 1 }, { unique: true })

dropIndex()

Drop an index.

db.collection.dropIndex("email_1")

getIndexes()

List all indexes.

db.collection.getIndexes()

findOneAndUpdate()

Find and update a document atomically.

```
db.collection.findOneAndUpdate({ name: "Alice" }, { $set: { active: false } }, { returnDocument: "after" })
```

findOneAndDelete()

Find and delete a document.

```
db.collection.findOneAndDelete({ name: "Charlie" })
```

bulkWrite()

Perform bulk write operations.

```
db.collection.bulkWrite([{ insertOne: { document: { name: "Dan" } } }, { updateOne: { filter: { name: "Alice" },
update: { $set: { age: 29 } } } }])
```

findOneAndReplace()

Find and replace a document.

```
db.collection.findOneAndReplace({ name: "Alice" }, { name: "Alice", age: 35 })
```

renameCollection()

Rename a collection.

```
db.oldName.renameCollection("newName")
```

drop()

Drop an entire collection.

```
db.collection.drop()
```

listCollections()

List all collections in the database.

```
db.listCollections()
```