

Basic Mongo DB

db	Show name of current database
mongod	Start database
mongo	Connect to database
show dbs	Show databases
use db	Switch to database db
show collections	Display current database collections

Create

insert (data)	insert document(s) returns write result
insertOne (data, options)	insert one document
insert Many(data, options)	insert many documents
insert Many([{} , {} , {}])	needs square brackets

Read

db.collection.find()	Display documents from collection
find(filter, options)	find all matching documents
findOne(filter, options)	find first matching document

Update

updateOne(filter, data, options)	Change one document
updateMany(filter, data, options)	Change many documents
replaceOne(filter, data, options)	Replace document entirely

Delete

deleteOne(filter, options)	Delete one document
deleteMany(filter, options)	Delete many documents

Filters

{"key": "value"}	Used for filter arguments to filter collection
{key: {\$operator: value}}	Operators for querying data

Filters (cont)

{key: {\$exists: true}}	Matches all documents containing key
\$eq	Matches values that are equal to a specified value.
\$gt	Matches values that are greater than a specified value.
\$gte	Matches values that are greater than or equal to a specified value.
\$in	Matches any of the values specified in an array
syntax: {key: {\$in: [array of values]}}	
\$lt	Matches values that are less than a specified value.
\$lte	Matches values that are less than or equal to a specified value.
\$ne	Matches all values that are not equal to a specified value.
\$nin	Matches none of the values specified in an array.
\$and	Performs AND operation
syntax: {\$and: [{filter}, {filter}] }	
{key: {\$op: filter}, {filter}}	\$and operator is necessary if field or operator has to be specified in multiple expressions
find({ doc.subdoc: value })	Filter sub documents

Functions

.count()	Counts how many results
.sort(filter)	Sort ascend: 1 descend: -1