# MongoDB Cheat Sheet

by isaeus via cheatography.com/94031/cs/20684/

## 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 collec tions` | Display current database collections |

## Create

| | |
|---|---|
| `insert (data)` | insert document(s) returns write result |
| `insertOne (data, options)` | insert one document |
| `insert Man y(data, options)` | insert many documents |
| `insert Man y([ {}, {},{}])` | needs square brackets |

## Read

| | |
|---|---|
| `db.co lle ct i o n.f ind()` - | Display documents from `collec tion` |
| `find(f ilter, options)` | find all matching documents |
| `findOn e(f ilter, option s)` | find first matching document |

## Update

| | |
|---|---|
| `update One (fi lter, data, option s)` | Change one document |
| `update Man y(f ilter, data, optio ns)` | Change many documents |
| `replac eOn e(f ilter, data, optio ns)` | Replace document entirely |

## Delete

| | |
|---|---|
| `delete One (fi lter, options)` | Delete one document |
| `delete Man y(f ilter, options )` | Delete many documents |

## Filters

| | |
|---|---|
| `{"ke y": " val ue"}` | Used for filter arguments to filter collection |
| `{key: {$oper ator: value} }` | Operators for querying data |

## Filters (cont)

| | |
|---|---|
| `{key: {$exists: true}}` | Matches all documents con ument `key` |
| `$eq` | Matches values that are eq value. |
| `$gt` | Matches values that are gre specified value. |
| `$gte` | Matches values that are gre equal to a specified value. |
| `$in` | Matches any of the values array |
| `syntax:` | `{key:{$in: [array of` |
| `$lt` | Matches values that are les specified value. |
| `$lte` | Matches values that are les to a specified value. |
| `$ne` | Matches all values that are specified value. |
| `$nin` | Matches none of the values array. |
| `$and` | Performs AND operation |
| `syntax:` | `{$and: [ {},{} ] }` |
| `{key: {$op: filter}, {filter}}` | $and operator is necessary field or operator has to be s multiple expressions |
| `find({ doc.su bdo c:v alue})` | Filter sub documents |

## Functions

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




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