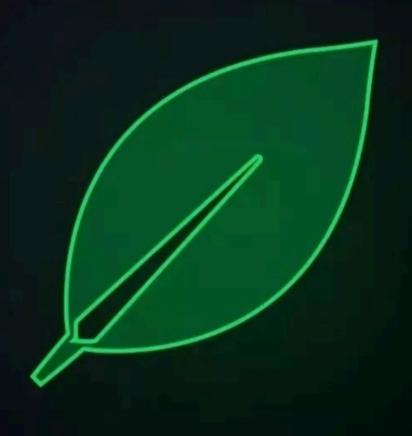
MongoDB: Cheat Sheet



Insert Row

```
db.posts.insert({
   title: 'Post One',
   body: 'Body of post one',
   category: 'News',
   tags: ['news', 'events'],
   user: {
     name: 'John Doe',
     status: 'author'
   },
   date: Date()
})
```

Insert Multiple Rows

```
db.posts.insertMany([
 {
   title: 'Post Two',
   body: 'Body of post two',
   category: 'Technology',
   date: Date()
  },
   title: 'Post Three',
   body: 'Body of post three',
    category: 'News',
    date: Date()
  },
    title: 'Post Four',
    body: 'Body of post three',
    category: 'Entertainment',
    date: Date()
1)
```

Update Row

```
db.posts.update({ title: 'Post Two' },
{
   title: 'Post Two',
   body: 'New body for post 2',
   date: Date()
},
{
   upsert: true
})
```

Update Specific Field

```
db.posts.update({ title: 'Post Two' },
{
    $set: {
      body: 'Body for post 2',
      category: 'Technology'
    }
})
```

Increment Field (\$inc)

Limit Rows

```
db.posts.find().limit(2).pretty()
```

Chaining

```
db.posts.find().limit(2).sort({ title: 1 }).pretty()
```

Find One Row

```
db.posts.findOne({ category: 'News' })
```

Foreach

```
db.posts.find().forEach(function(doc) {
  print("Blog Post: " + doc.title)
})
```

Find Specific Fields

```
db.posts.find({ title: 'Post One' }, {
  title: 1,
  author: 1
```

Show All Databases

show dbs

Show Current Database

db

Create Or Switch Database

use acme

Drop

db.dropDatabase()

Create Collection

db.createCollection('posts')

Show Collections

show collections

Get All Rows

```
db.posts.find()
```

Get All Rows Formatted

```
db.posts.find().pretty()
```

Find Rows

```
db.posts.find({ category: 'News' })
```

Sort Rows

```
// asc
db.posts.find().sort({ title: 1 }).pretty()
// desc
db.posts.find().sort({ title: -1 }).pretty()
```

Count Rows

```
db.posts.find().count()
db.posts.find({ category: 'news' }).count()
```

Find By Element in Array

```
db.posts.find({
  comments: {
     $elemMatch: {
      user: 'Mary Williams'
      }
    }
}
```

Add Index

```
db.posts.createIndex({ title: 'text' })
```

Text Search

```
db.posts.find({
    $text: {
        $search: "\"Post 0\""
        }
})
```

Greater & Less Than

```
db.posts.find({ views: { $gt: 2 } })
db.posts.find({ views: { $gte: 7 } })
db.posts.find({ views: { $lt: 7 } })
db.posts.find({ views: { $lte: 7 } })
```

Rename Field

Delete Row

```
db.posts.remove({ title: 'Post Four' })
```

Sub-Documents