**MongoDB Cheat Sheet**

**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

**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()

}

])

**Get All Rows**

db.posts.find()

**Get All Rows Formatted**

db.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()

**Limit Rows**

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

**Chaining**

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

**Foreach**

db.posts.find().forEach(function(doc) {

print("Blog Post: " + doc.title)

})

**Find One Row**

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

**Find Specific Fields**

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

title: 1,

author: 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)**

db.posts.update({ title: 'Post Two' },

{

$inc: {

likes: 5

}

})

**Rename Field**

db.posts.update({ title: 'Post Two' },

{

$rename: {

likes: 'views'

}

})

**Delete Row**

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

**Sub-Documents**

db.posts.update({ title: 'Post One' },

{

$set: {

comments: [

{

body: 'Comment One',

user: 'Mary Williams',

date: Date()

},

{

body: 'Comment Two',

user: 'Harry White',

date: Date()

}

]

}

})

**Find By Element in Array ($elemMatch)**

db.posts.find({

comments: {

$elemMatch: {

user: 'Mary Williams'

}

}

}

)

**Add Index**

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

**Text Search**

db.posts.find({

$text: {

$search: "\"Post O\""

}

})

**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 } }