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MongoDB Cheat Sheet

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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.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()
```

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 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 } })
```

delias commented on Jul 23, 2019

You are the best brother!

cakesforfree commented on Jul 26, 2019

Gracias!

hansgarcia96 commented on Jul 29, 2019

This is AMAZING!!!!

LucasPLopes commented on Aug 5, 2019