

### **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**

#### **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()
```

#### **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
})
```

### **Update Row**

# **Update Specific Field**

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

# Increment Field (\$inc)

# **Rename Field**

```
db.posts.update({ title: 'Post Two' },
{
    $rename: {
        likes: 'views'
    }
})
```

## **Delete Row**

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

### **Sub-Documents**

# **Find By Element in Array**

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

#### **Add Index**

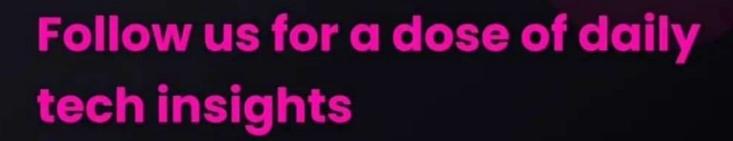
```
db.posts.createIndex({ title: 'text' })
```

#### **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 } })
```



Drop us a line and share your suggestions for next posts.

If you have any queries then let me know in the comment box.

