MongoDB

SQL ↓ [MongoDB](https://www.javatpoint.com/mongodb-tutorial) ↓

Database 🡪 Database

Table 🡪 Collection

Row 🡪 Docunment (Bson)

Column 🡪 Fields

What is MongoDB

[MongoDB](https://www.javatpoint.com/mongodb-tutorial) is an open-source document database that provides high performance, high availability, and automatic scaling.

# All MongoDb commands (MongoDb)

## 1. Database Commands

### View all databases

show dbs

### Create a new or switch databases

use dbName

### View current Database

db

### Delete Database

db.dropDatabase()

## 2. Collection Commands

### Show Collections

show collections

### Create a collection named 'comments'

db.createCollection('comments')

### Drop a collection named 'comments'

db.comments.drop()

## 3. Row(Document) Commands

### Show all Rows in a Collection

db.comments.find()

Show all Rows in a Collection (Prettified)

db.comments.find().pretty()

Find the first row matching the object

db.comments.findOne({name: 'Harry'})

### Insert One Row

db.comments.insert({

'name': 'Harry',

'lang': 'JavaScript',

'member\_since': 5

})

### Insert many Rows

db.comments.insertMany([{

'name': 'Harry',

'lang': 'JavaScript',

'member\_since': 5

},

{'name': 'Rohan',

'lang': 'Python',

'member\_since': 3

},

{'name': 'Lovish',

'lang': 'Java',

'member\_since': 4

}])

Search in a MongoDb Database

db.comments.find({lang:'Python'})

### Limit the number of rows in output

db.comments.find().limit(2)

### Count the number of rows in the output

db.comments.find().count()

### Update a row

db.comments.update({name: 'Shubham'},

{'name': 'Harry',

'lang': 'JavaScript',

'member\_since': 51

}, {upsert: true})

### Mongodb Increment Operator

db.comments.update({name: 'Rohan'},

{$inc:{

member\_since: 2

}})

### Mongodb Rename Operator

db.comments.update({name: 'Rohan'},

{$rename:{

member\_since: 'member'

}})

### Delete Row

db.comments.remove({name: 'Harry'})

### Less than/Greater than/ Less than or Eq/Greater than or Eq

db.comments.find({member\_since: {$lt: 90}})

db.comments.find({member\_since: {$lte: 90}})

db.comments.find({member\_since: {$gt: 90}})

db.comments.find({member\_since: {$gte: 90}})