

All MongoDB commands you will ever need (MongoDB Cheatsheet)

Published Sun Dec 19 2021

In this post, we will see a comprehensive list of all the MongoDB commands you will ever need as a MongoDB beginner. This list covers almost all the most used commands in MongoDB.

I will assume that you are working inside a collection named 'comments' on a MongoDB database of your choice

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': 'Harry',
    'lang': 'JavaScript',
    'member_since': 5
  },
  {
    '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}})
```