

# All MongoDB commands you will ever need (MongoDB Cheatsheet)

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: 'Abhishek'})
```

Insert One Row

```
db.comments.insert({  
  'name': 'Abhishek',  
  'lang': 'JavaScript',  
  'member_since': 5  
})
```

Insert many Rows

```
db.comments.insertMany([  
  {  
    'name': 'Abhishek',  
    'lang': 'JavaScript',  
    'member_since': 5  
  },  
  {  
    'name': 'Manish',  
    'lang': 'Python',  
    'member_since': 3  
  },  
  {  
    'name': 'Ajit',  
    '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.updateOne({name: 'Shubham'},  
{ $set: { 'name': 'Abhishek',  
        '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: 'Abhishek'})
```

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}})
```