

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

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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

Note: If you are using docker for Mongo, use below command to get mongosh.  
docker exec -it mongo mongosh

**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}})
```