

The Ultimate MongoDB Cheat Sheet

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MongoDB Cheat Sheet

MongoDB Help

```
db.help
```

Delete document

```
db.COLLECTION_NAME.remove(DELLETION  
_CRITTERIA)
```

Show All Databases

```
show dbs
```

Save document

```
db.COLLECTION_NAME.save({  
_id:ObjectId(),NEW_DATA})
```

Drop database

```
db.dropDatabase()
```

Get All Rows Formatted

```
db.posts.find().pretty()
```

To check collections list

```
Show collections
```

Find Rows

```
db.posts.find({ category: 'React' })
```

Create collection

```
db.createCollection(name)
```

Sort Rows

```
db.user.find().sort({ marks: 1 }). - # asc  
db.user.find().sort({ marks: -1 }). - # desc
```

Insert document in collection

```
db.COLLECTION_NAME.insert(document)
```

Limit Rows

```
db.user.find().limit(10).pretty()
```

Get collection document

```
db.COLLECTION_NAME.find()
```

Foreach

```
db.user.find().forEach(function(doc) {  
print("story: " + doc.title) })
```

Update document

```
db.COLLECTION_NAME.update  
(SELECTION_CRITERIA, UPDATED_DATA)
```

Find One Row

```
db.posts.findOne({ category: 'React' })
```

Find Specific Fields

```
db.user.find({ title: 'Post One' }, {  
  title: 1,  
  author: 1  
})
```

Delete document

```
db.COLLECTION_NAME.remove({  
  _id:ObjectId(),  
  NEW_DATA})
```

Update Row

```
db.user.update({ name: 'grv' },  
{  
  name: 'srv',  
  body: 'text',  
},  
{  
  upsert: true  
})
```

Get All Rows Formatted

```
db.posts.find().pretty()
```

To check collections list

Show collections

```
db.posts.find({ category: 'React' })
```

Create collection

```
db.createCollection(name)
```

Sort Rows

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db.user.find().sort({ marks: 1 }). - # asc  
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Insert document in collection

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Limit Rows

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Get collection document

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db.COLLECTION_NAME.find()
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db.user.find().forEach(function(doc) {  
  print("story: " + doc.title) })
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Update document

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db.COLLECTION_NAME.update  
(SELECTION_CRITERIA, UPDATED_DATA)
```

Find One Row

```
db.posts.findOne({ category: 'React' })
```

Create

- db.coll.insertOne({name: "Max"})
- db.coll.insert([{name: "Max"}, {name:"Alex"}]) // ordered bulk insert
- db.coll.insert([{name: "Max"}, {name:"Alex"}], {ordered: false}) // unordered bulk insert
- db.coll.insert({date: ISODate()})
- db.coll.insert({name: "Max"}, {"writeConcern": {"w": "majority", "wtimeout": 5000}})

Read

- db.coll.findOne() // returns a single document
- db.coll.find() // returns a cursor - show 20 results - "it" to display more
- db.coll.find().pretty()
- db.coll.find({name: "Max", age: 32}) // implicit logical "AND".
- db.coll.find({date: ISODate("2020-09-25T13:57:17.180Z")})
- db.coll.find({name: "Max", age: 32}).explain("executionStats") // or "queryPlanner" or "allPlansExecution"
- db.coll.distinct("name")

// Count

- db.coll.count({age: 32}) // estimation based on collection metadata
- db.coll.estimatedDocumentCount() // estimation based on collection metadata
- db.coll.countDocuments({age: 32}) // alias for an aggregation pipeline - accurate count

// Comparison

- db.coll.find({"year": {\$gt: 1970}})
- db.coll.find({"year": {\$gte: 1970}})
- db.coll.find({"year": {\$lt: 1970}})
- db.coll.find({"year": {\$lte: 1970}})
- db.coll.find({"year": {\$ne: 1970}})
- db.coll.find({"year": {\$in: [1958, 1959]}})
- db.coll.find({"year": {\$nin: [1958, 1959]}})

// Logical

- db.coll.find({name:{\$not: {\$eq: "Max"} }})
- db.coll.find({\$or: [{"year" : 1958}, {"year" : 1959}]})
- db.coll.find({\$nor: [{price: 1.99}, {sale: true}]})
- db.coll.find({
• \$and: [
• {\$or: [{qty: {\$lt :10}}, {qty :{\$gt: 50}}]},
• {\$or: [{sale: true}, {price: {\$lt: 5 }}]}]
•]
• })

// Element

- db.coll.find({name: {\$exists: true}})
- db.coll.find({"zipCode": {\$type: 2 }})
- db.coll.find({"zipCode": {\$type: "string"}})

// Aggregation Pipeline

- db.coll.aggregate([{\$match: {status: "A"}}, {\$group: {_id: "\$cust_id", total: {\$sum: "\$amount"}}, {\$sort: {total: -1}}}])

// Text search with a "text" index

- db.coll.find({\$text: {\$search: "cake"}}, {score: {\$meta: "textScore"}}).sort({score: {\$meta: "textScore"}})

// Regex

- db.coll.find({name: /^Max/}) // regex: starts by letter "M"
- db.coll.find({name: /Max\$/i}) // regex case insensitive

// Array

- db.coll.find({tags: {\$all: ["Realm", "Charts"]}})
- db.coll.find({field: {\$size: 2}}) // impossible to index - prefer storing the size of the array & update it
- db.coll.find({results: {\$elemMatch: {product: "xyz", score: {\$gte: 8}}}})

// Projections

- db.coll.find({"x": 1}, {"actors": 1}) // actors + _id
- db.coll.find({"x": 1}, {"actors": 1, "_id": 0}) // actors
- db.coll.find({"x": 1}, {"actors": 0, "summary": 0}) // all but "actors" and "summary"

// Sort, skip, limit

- db.coll.find({}).sort({"year": 1, "rating": -1}).skip(10).limit(3)

// Read Concern

- db.coll.find().readConcern("majority")