



mongoDB[®]

Cheat Sheet



Connect MongoDB Shell

Connects to
mongodb://127.0.0.1:27017 by default

```
mongo
```

Connect to local network

```
mongo "mongodb : / /192.168.1.1:27017"
```

Connect to MongoDB Atlas

```
mongo "mongodbURI" - -username <username>
```

Database Operation

Show All Databases

```
show dbs
```

Show Current Database

```
db
```

Create / Switch to new Database

```
use jsmasterypro
```

Delete Database

```
db.dropDatabase( )
```

Collections

Show all collections of current DB

```
show collections
```

Create new Collections

```
db.createCollection( ' courses ' )
```

Create Documents

Insert one document

```
db.courses.insertOne({  
  name: "Ultimate React",  
  price: 50  
})
```

```
db.courses.insert({  
  name: "Ultimate React",  
  price: 50  
})
```

Insert multiple document

```
db.courses.insert(  
  {  
    name: "Ultimate React",  
    price: 50  
  },  
  {  
    name: "Complete path to JSM",  
    price: 80  
  }  
)
```

Read Documents

Find one document

```
db.courses.findOne( )
```

Find multiple documents

```
db.courses.find( )
```

Find multiple documents with json

```
db.courses.find( ).pretty( )
```

Find documents by field value

```
db.courses.find({  
  "name": "Ultimate React"  
})
```

Find By Element in Array

```
db.courses.find({  
  comments: {  
    $elemMatch: {  
      "user": "John"  
    }  
  })
```

Update Documents

Update one

```
db.courses.updateOne(  
  {"_id": 1},  
  {$set:  
    {"name": "Ultimate React.js"}  
  }  
)
```

Update Multiple

```
db.courses.update(  
  {"price": 50},  
  {$set: {"price": 49}}  
)
```

Increment Field Value

```
db.courses.update(  
  {"_id": 2},  
  {$inc: {"views" : 109} }  
)
```

Rename Field

```
db.courses.updateone(  
  { _id: 3 },  
  { $rename :  
    {'views' : 'likes'}  
  })
```

Update Documents

Update Sub-Documents

```
db.courses.update(  
  { "name": "Ultimate React.js" },  
  { $set: {  
    comments: [  
      {  
        "user": "Michael",  
        "body": "Comment One",  
      },  
      {  
        "user": "Angelia",  
        "body": "Comment Two",  
      }  
    ]  
  }  
})
```

Delete Document

Delete a document

```
db.courses.remove(  
  { name: 'Ultimate React.js' }  
)
```

Count

Returns the count of documents

```
db.courses.find().count()
```

Returns the count of documents that would match a find() query

```
db.courses.find({  
  views: 110  
}).count()
```

Sorting

Ascending order

```
db.courses.find.sort(  
  { name: 1 }  
)  
.pretty()
```


Descending order

```
db.courses.find.sort(
  { name: -1 }
).pretty()
```

Results by Pagination

Skip 7 results

```
db.courses.find({ }).skip(7)
```

Fetch only 4 results

```
db.courses.find({ }).limit(4)
```

Sort by name, skip first 7 results, fetch only next 4 documents

```
db.courses.find({ }).sort({
  "names" : 1
}).skip(7).limit(4)
```

Got value? Save it



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