

# mongoDB

## Cheat Sheet



```
//@bekbrace  
//Friday, 18th June, 2021  
//mongoDB basic commands and queries
```

```
//To show all databases  
show dbs
```

```
//To switch(choose) a database  
use sampleDatabase
```

```
//Show the collections in a database  
show collections
```

```
//Creating a new database  
use newDB  
show dbs
```

```
//To show which database we are currently in  
db
```

```
//To create collections  
db.createCollection('clients')
```

```
//Insert a document  
db.clients.insert({  
  id:0,  
  company: "lasosta",  
  address: " 23 lost st NYC",  
  overdue_invoices: 24,  
  products : ['coffee', 'sugar'],  
  date : Date(),  
  contacts : {  
    name: "Jim Neil",  
    position:"owner",  
    phone: 5550011,  
  },})
```

```
//To query the data  
db.clients.find()
```

```
//To delete a document  
db.clients.remove({id:0})
```

```
//to insert multiple documents  
db.clients.insertMany ([  
  {  
    id : 0,  
    company: "lasosta",  
    address : "23 lost street-NY",  
    overdue_invoices : 20,  
    products: ['sugar', 'coffee'],  
    creation_date : Date(),  
  },  
  {  
    id : 1,  
    company: "vanilla factory",  
    address : "23 great street-CA",  
    overdue_invoices : 21,  
    products: ['milk', 'vanilla'],  
    creation_date : Date(),  
  },  
  {  
    id : 2,  
    company: "john & sons",  
    address : "23 found street-TX",  
    overdue_invoices : 22,  
    products: ['books', 'magazines'],  
    creation_date : Date(),  
  },  
])
```

//choose a document based on criteria

//similar to //SELECT \* FROM CLIENTS where overdue\_invoice = 21 in SQL  
db.clients.find({overdue\_invoices:21})

//counting

db.clients.find({overdue\_invoices:20}).count()

//sort ( ascending 1 - descending -1 )

db.clients.find().sort({id:1})

//Updating - safe way

db.clients.update({id:2},

{

\$set:{

overdue\_invoices: 40,

importer: "James Co. Ltd",

}

})

db.clients.find()

//Incrementing

db.clients.update({id:1}, {\$inc: {overdue\_invoices:1}})

db.clients.find()

//renaming

db.clients.update({id:1}, {\$rename: {company: 'legal\_name'}})

db.clients.find()

//update array in id 0

db.clients.update({id:0},

{ \$set : {

products :['sugar', 'coffee'],

}

})

db.clients.find()