

MongoDB CRUD Operations

Create

Read

Update

Delete

Explore Databases and Collections

- ◉ **Show active Database**

db

- ◉ **List all Databases**

show dbs

- ◉ **Change active database**

use <database name>

- ◉ **List all Collections inside active Database**

show collections

Create, Delete Database and Collection

(1) Change active Database

`use <database name>`

(2) Create new Collection

`db.createCollection("<collection name>")`

(3) List all Collections inside active Database

`show collections`

(4) Delete Collection

`db.getCollection("<collection name>").drop()
db.<collection name>.drop()`

(5) Delete Database

`db.dropDatabase()`

Note

There is no command to create new Database.


Database will be created together with first Collection.

Insert new Documents

- ◉ **Insert One or Many Documents**

`db.<collection name>.insert(<Object> or <Array of Objects>)`

returns WriteResult or BulkWriteResult Object



- ◉ **Insert One Document**

`db.<collection name>.insertOne(<Object>)`

returns "insertedId" of the inserted document



- ◉ **Insert Many Documents**

`db.<collection name>.insertMany(<Array of Objects>)`

returns "insertedIds" of the inserted documents



insert()

⦿ Insert Many Documents

```
db.<collection  
name>.insert(<Array of Objects>)
```



```
BulkWriteResult({  
  "writeErrors" : [ ],  
  "writeConcernErrors" : [ ],  
  "nInserted" : 3,  
  "nUpserted" : 0,  
  "nMatched" : 0,  
  "nModified" : 0,  
  "nRemoved" : 0,  
  "upserted" : [ ]  
})
```

⦿ Insert One Document

```
db.<collection  
name>.insert(<Object>)
```



```
WriteResult({ "nInserted" : 1 })
```

insertOne()

- ◉ Insert One Document

`db.<collection name>.insertOne(Object)`



```
{  
  "acknowledged" : true,  
  "insertedId" : ObjectId("5ad06d63be9df1be43808588")  
}
```

insertMany()

◉ Insert Many Documents

`db.<collection name>.insertMany(<Array of Objects>)`



```
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("5ad06d71be9df1be43808589"),
    ObjectId("5ad06d71be9df1be4380858a"),
    ObjectId("5ad06d71be9df1be4380858b")
  ]
}
```

Insert Document Example

▼	{ }	(15) ObjectId("5acd0b867e... { 9 fields }	Object
	□	_id	ObjectId("5acd0b867e27e66e02f...
	"""	string	Hello World
▶	{ }	object	{ 1 field }
▶	[]	array	[3 elements]
	#	numberInt	10
	#	numberLong	3234234234234
	##	double	5.75
	T/F	boolean	true
	📅	date	2018-04-10 19:07:50.109Z

Read Documents

- Find Documents

`db.<collection name>.find(<query>, <fields>)`

Returns Cursor

Cursor must be iterated
to get documents in
Extended JSON format

- Find One Document

`db.<collection name>.findOne(<query>, <fields>)`

Returns Extended JSON
Object

findOne()

◎ Returns One Document in Extended JSON format

```
db.<collection name>.findOne(<query>, <fields>)
```