azat-co / cheatsheets

## **MongoDB** \$ mongod : start MongoDB server (localhost:27017) \$ mongo : open MongoDB console (connect to local server by default)

## > show dbs: show databases on the server

> use DB\_NAME: select database DB NAME selected database

MongoDB Console

> show collections : show collections in the > db.COLLECTION NAME.find(): perform the find query on collection with the COLLECTION\_NAME name to find any items > db.COLLECTION NAME.find({" id": ObjectId("549d9a3081d0f07866fdaac6")}): perform the find query on collection with the COLLECTION NAME name to find item with ID 549d9a3081d0f07866fdaac6 > db.COLLECTION NAME.find({"email": /gmail/}): perform the find query on collection with the COLLECTION\_NAME name to find items with email property matching /gmail > db.COLLECTION NAME.update(QUERY OBJECT, seт овјест): perform the update query on collection with the COLLECTION\_NAME name to update items that match QUERY\_OBJECT with SET\_OBJECT

db.COLLECTION\_NAME.remove(QUERY\_OBJECT) :

perform remove query for items matching

> db.COLLECTION NAME.insert(OBJECT) :

\$ sudo npm install mongoose : install the

\$ sudo npm install mongoose@3.8.20 --

save: install Mongoose v3.8.20 locally and

var dbUri = 'mongodb://localhost:27017/api var dbConnection = mongoose.createConnection

var Post = dbConnection.model('Post', post)

Post.find({},function(error, posts){

add OBJECT to the collection with the

QUERY\_OBJECT criteria on the

COLLECTION\_NAME collection

COLLECTION\_NAME name

latest Mongoose locally`

Save to package.json

Mongoose Basic Usage

var Schema = mongoose.Schema

title: String,

console.log(posts)

process.exit(1)

text: String

})

})

var postSchema = new Schema ({

var mongoose = require('mongoose')

**Mongoose Installation** 

>

## Mongoose Schema String Boolean Number

Date

Array

// Create

})

// Read

})

})

})

// Delete

})

Buffer

Schema. Types. Mixed

Schema. Types. ObjectId

Create, Read, Update, Delete

(CRUD) Mongoose Example

var post = new Post({title: 'a', text: 'b'

Post.findOne(criteria, function(error, pos

Post.findOne(criteria, function(error, pos

callback has error and document arguments

MongoDB's findAndModify to update by ID

findOne(criteria, [fields], [options],

callback has error and document arguments

findOneAndUpdate([criteria], [update],

[callback]) : return a single document;

[options], [callback]): executes

MongoDB's findAndModify to update

findOneAndRemove(id, [update],

has error, and count arguments

[options], [callback]): executes

MongoDB's findAndModify to remove

update(criteria, update, [options],

create(doc(s), [callback]) : Create

document object and save it to database;

callback has error and doc(s) arguments

documents; callback has error argument

Mongoose Document Methods

remove(criteria, [callback]):remove

isModified([path]) : check if the property

populate([path], [callback]): populate

toJSON(options): get JSON from document

validate(callback): validate the document

animalSchema.query.byName = function(name)

return this.where({ name: new RegExp(n

var Animal = mongoose.model('Animal', an

Animal.find().byName('fido').exec(function)

animalSchema.index({ name: 1, type: -1 })

Desktop version

console.log(animals);

[callback]) : update documents; callback

findByIdAndUpdate(id, [update],

[options], [callback]) : executes

findByIdAndRemove(id, [options],

[callback]) : executes MongoDB's

findAndModify to remove

post.remove(function(error){

Mongoose Model Methods

post.save(function(error, document){

## }) // Update Post.findOne(criteria, function(error, pos post.set() post.save(function(error, document){

find(criteria, [fields], [options], [callback]) : find document; callback has error and documents arguments count(criteria, [callback])) : return a count; callback has error and count arguments findById(id, [fields], [options], [callback]) : return a single document by ID;

save([callback]) : save the document; callback has error, doc and count arguments set(path, val, [type], [options]):Set value on the doc's property get(path, [type]): get the value

has been modified

reference

**Query Helpers** 

**}**;

}); Animal.findOne().byName('fido').exec(fundone) console.log(animal); }); **Indexes** var animalSchema = new Schema({ name: String, type: String, tags: { type: [String], index: true } /

});