

Learn You Mongo

A Nodeschool Workshopper for MongoDB

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What is MongoDB?

- * According to [mongodb.com](https://www.mongodb.com), MongoDB is an open-source, document database designed for ease of development and scaling.
- * Instead of using tables, MongoDB stores documents similar to JSON (BSON) in `collections`.

BSON

<http://bsonspec.org/>

- * MongoDB's document format
- * More or less, binary JSON
- * Adds additional data types unavailable in JSON
 - * Date - 64-bit integer representing # of ms since Unix epoch (1/1/1970)
 - * ObjectId - 12 bytes where the first 4 are a timestamp of the creation date. In Mongo, these are generated (by default) for each document and stored in the `_id` field.

MongoDB <-> SQL

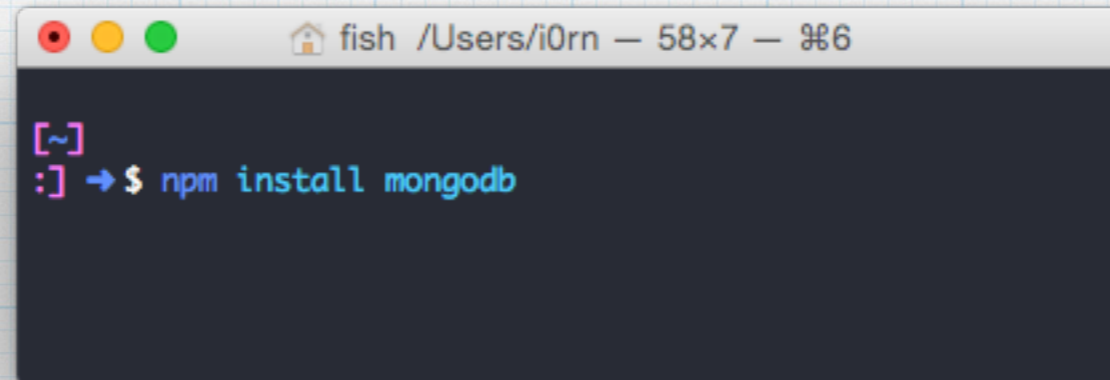
Terminology Comparison

SQL	MongoDB
database	database
table	collection
row	document
column	field
select	find
delete	remove
update	update

Installing MongoDB

* <https://www.mongodb.org/downloads>

Installing the MongoDB Client



```
fish /Users/i0rn — 58x7 — 866  
[~]  
:] →$ npm install mongodb
```

learnyoumongo tips

- * The db url will be ``mongodb://localhost:270127/learnyoumongo`` unless you are using a custom port.
- * Make sure you close the db to make each exercise finish. (``db.close()``)

Using the Mongo Client

```
1 // require the client
2 var mongo = require('mongodb').MongoClient
3 // the url to access the db
4 var url = 'mongodb://localhost:27017/learnyoumongo'
5 // connect
6 mongo.connect(url, function(err, db) {
7   // check for errors
8   if (err) {
9     console.error(err)
10    process.exit(1)
11  }
12
13  // get the collection
14  var collection = db.collection('users')
15 })
```


Conclusion

- * Twitter [@evanhlucas](#)
- * GitHub [evanlucas](#)