

oSQL Database - Document Database Type in NoSQL

Data is stored in json like syntax

Good to use when there is no ton of inter connected relations

Database, Collections, Document

data/db folder inside MongoDB

Run mongod and mongo in another terminal

```
$ mongod -directoryperdb --dbpath C:\mongodb\data\db --logpath C:\monodb\log\mongo.log --logappend --rest --install
```

```
$ net start MongoDB
```

```
> show dbs
```

```
> use <db_name>
```

```
> db.createUser({ user: "", pwd: "", roles: [ "readwrite", "dbAdmin" ] });
```

```
> show collections
```

```
> db.createCollection('<collection_name>');
```

```
> db.<collection_name>.insert({ });
```

```
> db.<collection_name>.insert([ { }, { }, { } ]);
```

```
> db.<collection_name>.find();
```

```
> db.<collection_name>.find().pretty();
```

```
> db.<collection_name>.find().count();
```

```
> db.<collection_name>.find().limit(4);
```

```
> db.<collection_name>.findById(id);
```

```
> db.<collection_name>.find(<matchObject>);
```

```
> db.<collection_name>.find({ "nestedObj.field": "" });
```

```
> db.<collection_name>.find({ $or: [ <matchObject1>, <matchObject2> ] });

> db.<collection_name>.find({ age: { $gt: 40 }}); // gt or gte

> db.<collection_name>.find({ age: { $lt: 40 }}); // lt or lte

> db.<collection_name>.find().sort({ field: 1 }); // ascending order is indicated by 1


> db.<collection_name>.update(<matchObject>, {}); // matchObject: { first_name: " }

> db.<collection_name>.update(<matchObject>, {}, { upsert: true }); // insert if not found


> db.<collection_name>.update(<matchObject>, { $set: { } }); // Preserves rest of the data in the Document

> db.<collection_name>.update(<matchObject>, { $inc: { age: 5 } }); // increments age by 5

> db.<collection_name>.update(<matchObject>, { $unset: { age: 1 } }); // deletes age field

> db.<collection_name>.update(<matchObject>, { $rename: { "field1": "field2" }});


> db.<collection_name>.remove(<matchObject>);

> db.<collection_name>.remove(<matchObject>, { justOne: true });


> db.<collection_name>.find().forEach(function(doc) {
    print("Customer Name": + doc.field);
});
```