

QUERYING MONGODB

PACKAGE.JSON

`{}` package.json ✕

```
1  {
2    "name": "first_mongo",
3    "version": "1.0.0",
4    "description": "Connection to MongoDB",
5    "main": "index.js",
6    "scripts": {
7      "test": "echo \"Error: no test specified\" && exit 1"
8    },
9    "keywords": [
10     "Mongo"
11   ],
12   "dependencies": {
13     "mongodb": "3.0.1"
14   },
15   "author": "Andrew Sheehan",
16   "license": "ISC"
17 }
```

OPEN CONNECTION

JS index.js ×

```
1  const MongoClient = require('mongodb').MongoClient;
2
3  const url = 'mongodb://localhost:27017/test';
4  MongoClient.connect(url, function(err, db) {
5    if (err) {
6      throw err;
7    }
8    console.log("Connected to server");
9    db.close();
10  });
```

INSERTION

```
1  const MongoClient = require('mongodb').MongoClient;
2
3  const url = 'mongodb://localhost:27017/firstMoon';
4  MongoClient.connect(url, function(err, database) {
5      if (err) {
6          throw err;
7      }
8      console.log("Connected to server");
9
10     const firstDb = database.db('firstDb');
11     firstDb.collection('person').insertMany([
12         {"firstName": "Frank", "middleName": "Angel", "lastName": "Sadno"},
13         {"firstName": "Melio", "middleName": "Twei", "lastName": "Chiloi"},
14         {"firstName": "Metor", "middleName": "Agoi", "lastName": "Berrio"},
15         {"firstName": "Egwio", "middleName": "Noa", "lastName": "Chiloi"} ]);
16     db.close();
17 });
18
19 console.log("Insertion complete");
```

EQUALITY CHECK

```
1  const MongoClient = require('mongodb').MongoClient;
2
3  const url = 'mongodb://localhost:27017/firstMoon';
4  MongoClient.connect(url, function(connectionErr, database) {
5      if (connectionErr) {
6          throw connectionErr;
7      }
8      const firstDb = database.db('firstDb');
9      firstDb.collection('person').find({"lastName": "Chiloi"}, (queryErr, results) => {
10         if (queryErr) {
11             throw queryErr;
12         }
13         results.forEach(person => {
14             console.log(person.firstName);
15         });
16     });
17     database.close();
18 });
```

IN CLAUSE

```
1  const MongoClient = require('mongodb').MongoClient;
2
3  const url = 'mongodb://localhost:27017';
4  MongoClient.connect(url, function(connectionErr, database) {
5      if (connectionErr) {
6          throw connectionErr;
7      }
8      const firstDb = database.db('firstDb');
9      firstDb.collection('person').find({firstName: {$in: ["Frank", "Metor"]}},
10          (queryErr, results) => {
11              if (queryErr) {
12                  throw queryErr;
13              }
14              results.forEach(person => {
15                  console.log(person.firstName);
16              });
17          });
18      database.close();
19  });
```

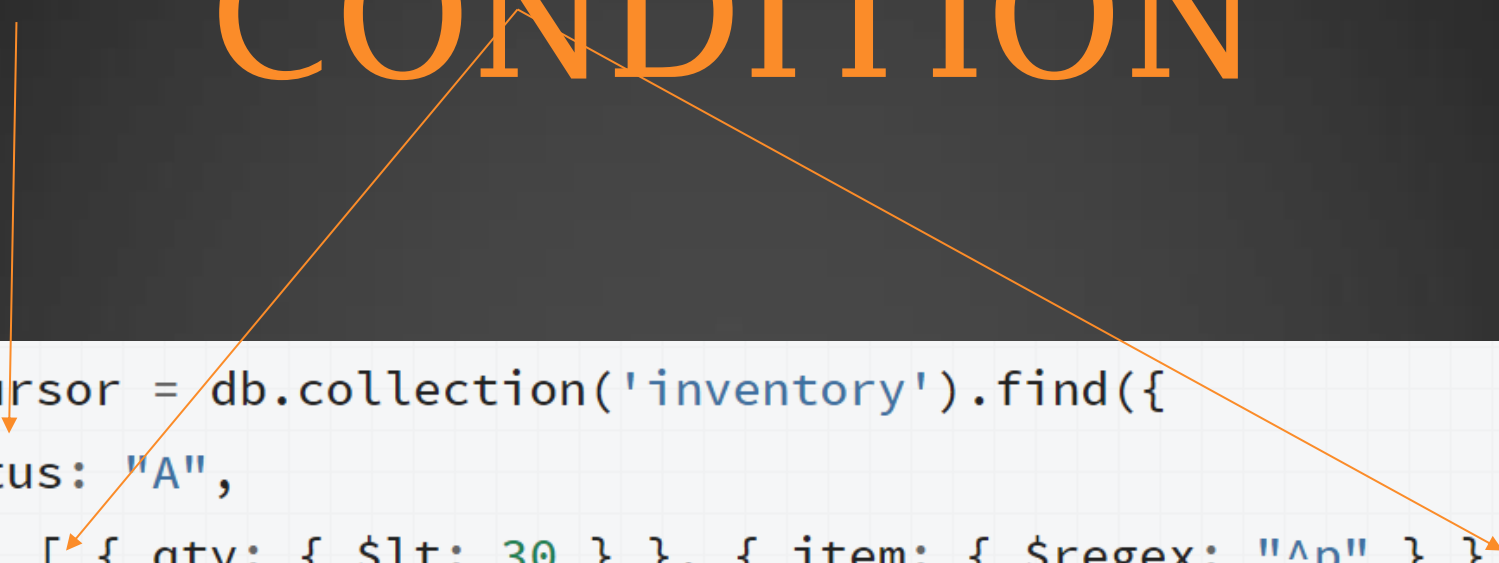
AND CONDITION

```

1 const MongoClient = require('mongodb').MongoClient;
2
3 const url = 'mongodb://localhost:27017';
4 MongoClient.connect(url, function(connectionErr, database) {
5     if (connectionErr) {
6         throw connectionErr;
7     }
8     const firstDb = database.db('firstDb');
9     firstDb.collection('person').find({firstName: {$in: ["Frank", "Metor"]},
10                                     lastName: "Sadno"},
11                                     },
12                                     (queryErr, results) => {
13                     if (queryErr) {
14                         throw queryErr;
15                     }
16                     results.forEach(person => {
17                         console.log(person.firstName);
18                     });
19                 });
20     database.close();
21 });
```


AND + OR CONDITION

```
var cursor = db.collection('inventory').find({  
  status: "A",  
  $or: [ { qty: { $lt: 30 } }, { item: { $regex: "^p" } } ]  
});
```



QUERY ALL

```
1  const MongoClient = require('mongodb').MongoClient;
2
3  const url = 'mongodb://localhost:27017';
4  MongoClient.connect(url, function(connectionErr, database) {
5      if (connectionErr) {
6          throw connectionErr;
7      }
8      const firstDb = database.db('firstDb');
9
10     const queryCount =
11         firstDb.collection('person').find({}, (queryErr, results) => {
12             if (queryErr) {
13                 throw queryErr;
14             }
15             results.forEach(person => {
16                 console.log(person.firstName);
17             });
18         });
19     database.close();
20 });
```

NO RESULTS

```
1  const MongoClient = require('mongodb').MongoClient;
2
3  const url = 'mongodb://localhost:27017/firstMoon';
4  MongoClient.connect(url, function(connectionErr, database) {
5    if (connectionErr) {
6      throw connectionErr;
7    }
8    const firstDb = database.db('firstDb');
9
10   const queryCount =
11     firstDb.collection('person').find({"lastName": "not-in-database"},
12     (queryErr, results) => {
13       if (queryErr) {
14         throw queryErr;
15       }
16       results.forEach(person => {
17         console.log(person.firstName);
18       });
19     });
20   database.close();
21   // you should see absolutely no output in your console window.
22 });
23
```