

# mongodb Examples

<https://repl.it/languages/nodejs>

Examples using mlab mongodb.

mongodb://testreadonly:testreadonly@ds053858.mlab.com:53858/testing01'

username: testreadonly

password: testreadonly

## Example 1 server\_mlab\_01\_ro.js

Connect to the remote database instance and try to insert the data. Since the user only has read permissions the insert operation will fail.

```
[nodemon] restarting due to changes...
[nodemon] starting `node server_mlab_01_ro.js`
This is not a server with an api for aysnch behaviour yet!
connects to mlab.com
server listening on port: 8021
connected to the mongoDB !
error:
not authorized on testing01 to execute command { insert: "students", documents: [ { name: "bloggs, joe", course: "ssd",
year: 4, _id: ObjectId('58591c9948a22421acd466a8') } ], ordered: true }
```

If you remove the comment block names Alpha, you will run into an undefined variable error for myCollection as the asynchronous connection to the database may not have completed.

```
[nodemon] starting `node server_mlab_01_ro.js`
This is not a server with an api for aysnch behaviour yet!
connects to mlab.com
server listening on port: 8021
this insert should produce an immediate error
myCollection:
undefined
C:\Users\rlacey\Dropbox\Opus\Mongo\code\helloworld_multiples\server_mlab_01_ro.js:68
myCollection.insert({name: "murphy, paddy", course: "ssd", year : 4}, function(err, result) {
  ^
TypeError: Cannot read property 'insert' of undefined
```

## Example 2 server\_mlab\_02\_write.js

This example allows a user with write permissions to insert into the database.

You will need to create a user with write permissions called xxxxx and pw yyyy to your database.

`var db = MongoClient.connect('mongodb://XXXXXX:YYYYYY@ds053858.mlab.com:53858/testing01', ...`

```
[nodemon] starting `node server_mlab_02_write.js`
This is not a server with an api for aysnch behaviour yet!
connects to mlab.com
server listening on port: 8021
connected to the mongoDB !
student entry saved
```

Using `.find()`

<https://docs.mongodb.com/v3.4/reference/method/db.collection.find/>

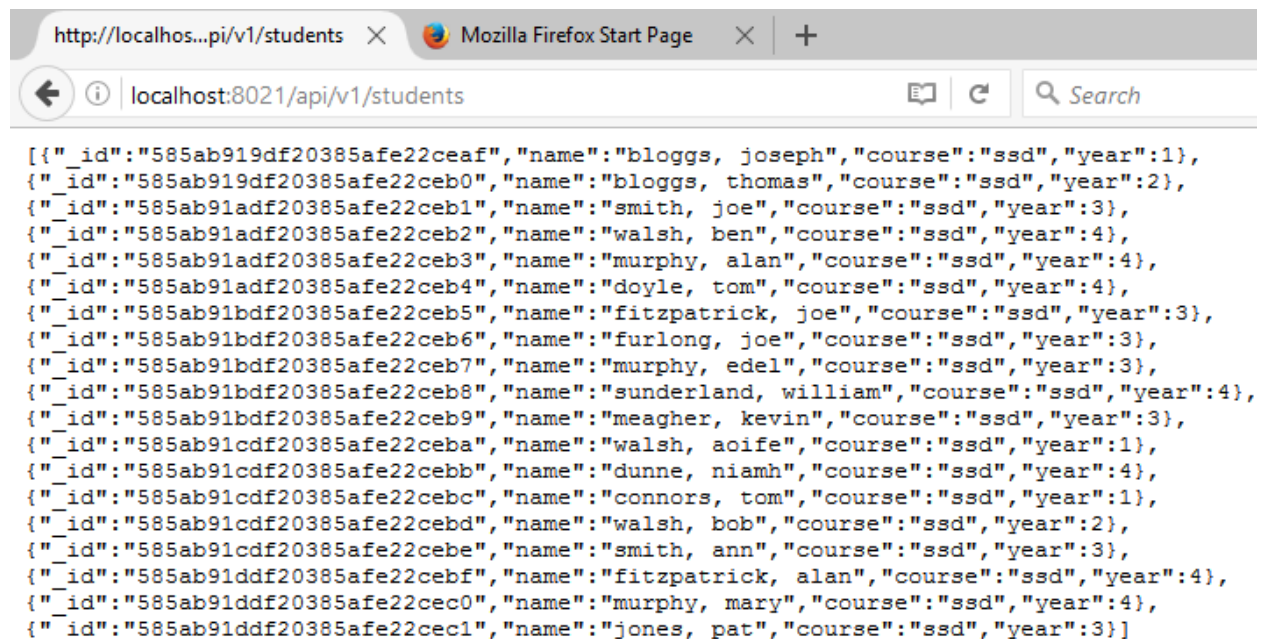
This code is not separating out different concerns.

Example 3      `server_mlab_03_students`

Introduces API to return results from the server to the client.

Can use the browser / curl or Postman/chrome (<https://www.getpostman.com/docs/introduction>)

GET an array of students: <http://localhost:8021/api/v1/students>



Using Postman:

