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MapReduce with MongoDB & Node.js

Here's some generic code for doing map-reduce queries in node using the node-mongodb-native driver.

Suggestions welcome!

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Good resources:

<http://www.mongodb.org/display/DOCS/MapReduce>

<http://kylebanker.com/blog/2009/12/mongodb-map-reduce-basics/>

<https://github.com/christkv/node-mongodb-native>

```
var mongodb = require('mongodb'),
    server = new mongodb.Server("localhost", 27017, {}),
    sys = require('util'),
    db = new mongodb.Db('MY_DATABASE_NAME', server, {}),

db.open(function (error, client) {
  if (error) throw error;
  var mapFn = function(){
    var n = this.someArray.length
```

```
    var n = this.someArray.length;
    emit(
      this._id,
      {
        someArrayVals : (n > 0 ? n : 0)
      }
    );
  }
var reduceFn = function(key, values) {
  var sum = 0;
  var rows = 0;
  values.forEach(function(doc) {
    sum += doc.someArrayVals;
    rows += 1;
  });
  return {someArrayVals: sum, rows : rows };
};


var MR = {
  mapreduce: "my_collection",
  out: { inline : 1 },
  map: mapFn.toString(),
  reduce: reduceFn.toString()
}

db.executeDbCommand(MR, function(err, dbres) {
  var results = dbres.documents[0].results
  console.log("executing map reduce, results:")
  console.log(JSON.stringify(results))
  process.exit(1)
})
})
```

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