

Mongo Excise 1 codes

1) Create a Database called music.

documents/uki3/nodejs — Atom

```
nodejs_excise_2.js
1 var MongoClient = require('mongodb').MongoClient;
2   var url = "mongodb://localhost:27017/NodeMusic";
3   MongoClient.connect(url, function(err, db) {
4     if (err) throw err;
5     console.log(" created!");
6     db.close();
7   });
8
```

2) Create a collection called songdetails.

```
nodejs_excise_2.js
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/";
3 MongoClient.connect(url, function(err, db) {
4   if (err) throw err;
5   var dbo = db.db("NodeMusic");
6   dbo.createCollection("NodeDetails", function(err, res) {
7     if (err) throw err;
8     console.log("Collection created!");
9     db.close();
10  });
11 });
12
```

3) Create the above 5 song documents.

```
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/";
3 MongoClient.connect(url, function(err, db) {
4   if (err) throw err;
5   var dbo = db.db("NodeMusic");
6   var myobj = [
7     {SongName:"Evano Oruvan",          Film:"Alai Payuthey",    MusicDirector:"A.R.Rahman",    Singer:"Swarnalatha"},
8     {SongName:"Roja Poonthoddam",      Film:"Kannukkul Nilavu",MusicDirector:"Illyaraaja",    Singer:"Unnikrishnan,Anuradha"},
9     {SongName:"Vennilave Vennilave Vinaithaandi",Film:"Minsaara Kanavu", MusicDirector:"A.R.Rahman",    Singer:"Hariharan,Sadhana Sargam"},
10    {SongName:"Sollamal Thoddu Chellum", Film:"Dheena",        MusicDirector:"Yuven Shankar Raja",Singer:"Hariharan"}];
11    dbo.collection("NodeDetails").insertMany(myobj, function(err, res) {
12      if (err) throw err;
13      console.log("Number of documents inserted: " + res.insertedCount);
14      db.close();
15    });
16  });
```

4) List all documents created.

```
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/";
3 MongoClient.connect(url, function(err, db) {
4   if (err) throw err;
5   var dbo = db.db("NodeMusic");
6   var ARRsort = { MusicDirector : "A.R.Rahman"};
7   dbo.collection("NodeDetails").find().sort(ARRsort).toArray(function(err, result) {
8     if (err) throw err;
9     console.log(result);
10    db.close();
11  });
12  });
```

5) List A.R.Rahman's songs.

```
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";
MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("NodeMusic");

  dbo.collection("NodeDetails").find({MusicDirector : "A.R.Rahman"}).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

6) List A.R.Rahman's songs sung by Unnikrishnan.

```
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("NodeMusic");
  dbo.collection("NodeDetails").find({MusicDirector : 'A.R.Rahman'}, {Singer : 'Unnikrishnan'}).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

8) Add new song which is your favourite.

```
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("NodeMusic");
  var myquery = { Film:"Alai Payuthey" };
  dbo.collection("NodeDetails").deleteOne(myquery, function(err, obj) {
    if (err) throw err;
    console.log("1 document deleted");
    db.close();
  });
});
```

9) List Songs sung by Hariharan from Minsara kanavu film.

```
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("NodeMusic");
  var myobj = {SongName:"Evano Oruvan", Film:"Alai Paayella", MusicDirector:"Varun", Singer:"Swarnalatha"};
  dbo.collection("NodeDetails").insertOne(myobj, function(err, res) {
    if (err) throw err;
    console.log("1 document inserted");
    db.close();
  });
});
```

10)List out the singers' names in your document.

```
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("NodeMusic");

  dbo.collection("NodeDetails").find({Singer : 'Unnikrishnan'}).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```