

NodeMongoDB Exercise 1

1) Create a Database called music.

```
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/Music1";
MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  console.log(" created!");
  db.close();
});
```

```
^Cukistu14@uklpc14:~/Documents/ukl3/Backend/nodejs/nodejs mongodb/node_mongodb_e
nodemon mongodbexnode.js
[nodemon] 1.18.3
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node mongodbexnode.js`
(node:8364) DeprecationWarning: current URL string parser is deprecated, and will
be removed in a future version. To use the new parser, pass option { useNewUrlParser: true } to MongoClient.connect.
created!
[nodemon] clean exit - waiting for changes before restart
```

2) Create a collection called songdetails.

```
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";
MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("Music1");
  dbo.createCollection("NodeSongDetail", function(err, res) {
    if (err) throw err;
    console.log("Collection created!");
    db.close();
  });
});
```

```

[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting `node mongodbexnode.js`
(node:7890) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass option { useNewUrlParser: true } to MongoClient.connect.
Collection created!
[nodemon] clean exit - waiting for changes before restart

```

3) Create the above 5 song documents.

```

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("Music1");
  var myobj = [
    {SongName : "ThaniyeThananthaniye", Film : "Rhythm", MusicDirector : "A.R.Rahman", Singer : "Shankar mahadevan"},
    {SongName : "Evano Oruvan", Film : "Alai Payuthey", MusicDirector : "A.R.Rahman", Singer : "Swarnalatha"},
    {SongName : "Roja Poonthoddam", Film : "Kannukkul Nilavu", MusicDirector : "Ilaiyaraaja", Singer : ["Unnikrishnan", "Anuradha"]},
    {SongName : "Vennilave Vennilave Vinaithaandi", Film : "Minsaara Kanavu", MusicDirector : "A.R.Rahman", Singer : ["Hariharan", "Sadhana Sargam"]},
    {SongName : "Sollamal Thoddu Chellum", Film : "Dheena", MusicDirector : "Yuven Shankar Raja", Singer : "Hariharan"}
  ];
  dbo.collection("NodeSongDetail").insertMany(myobj, function(err, res) {
    if (err) throw err;
    console.log("Number of documents inserted: " + res.insertedCount);
    db.close();
  });
});

```

```

[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting `node mongodbexnode.js`
[nodemon] restarting due to changes...
[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting `node mongodbexnode.js`
[nodemon] restarting due to changes...
[nodemon] starting `node mongodbexnode.js`
(node:6988) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass option { useNewUrlParser: true } to MongoClient.connect.
Number of documents inserted: 5
[nodemon] clean exit - waiting for changes before restart

```

4) List all documents created.

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("Music1");
  dbo.collection("NodeSongDetail").find({}).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

```
{ _id: 5b60aeba9171b31b4cc3df18,
  SongName: 'ThaniyeThananthaniye',
  Film: 'Rhythm',
  MusicDirector: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
{ _id: 5b60aeba9171b31b4cc3df19,
  SongName: 'Evano Oruvan',
  Film: 'Alai Payuthey',
  MusicDirector: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
{ _id: 5b60aeba9171b31b4cc3df1a,
  SongName: 'Roja Poonthoddam',
  Film: 'Kannukkul Nilavu',
  MusicDirector: 'Illayaraaja',
  Singer: [ 'Unnikrishnan', 'Anuradha' ] },
{ _id: 5b60aeba9171b31b4cc3df1b,
  SongName: 'Vennilave Vennilave Vinaithaandi',
  Film: 'Minsaara Kanavu',
  MusicDirector: 'A.R.Rahman',
  Singer: [ 'Hariharan', 'Sadhana Sargam' ] },
{ _id: 5b60aeba9171b31b4cc3df1c,
  SongName: 'Sollamal Thoddu Chellum',
  Film: 'Dheena',
  MusicDirector: 'Yuven Shankar Raja',
  Singer: 'Hariharan' } ]
[nodemon] clean exit - waiting for changes before restart
```

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("Music1");
  var query = { MusicDirector : "A.R.Rahman" };
  dbo.collection("NodeSongDetail").find(query).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});

```

```

[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting 'node mongodbexnode.js'
(node:10642) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass
option { useNewUrlParser: true } to MongoClient.connect.
[ { _id: 5b600af23cdaa72844734854,
  SongName: 'ThaniyeThananthaniye',
  Film: 'Rhythm',
  MusicDirector: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5b600af23cdaa72844734855,
  SongName: 'Evano Oruvan',
  Film: 'Alai Payuthey',
  MusicDirector: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
  { _id: 5b600af23cdaa72844734857,
  SongName: 'Vennilave Vennilave Vinaithaandi',
  Film: 'Minsaara Kanavu',
  MusicDirector: 'A.R.Rahman',
  Singer: 'Haritharan,Sadhana Sargam' } ]
[nodemon] clean exit - waiting for changes before restart

```

- 6) List A.R.Rahman's songs sung by Unnikrishnan.
- 7) Delete the song which you don't like.

```

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("Music1");
  var myquery = {SongName : "ThaniyeThananthaniye"};
  dbo.collection("NodeSongDetail").deleteOne(myquery, function(err, obj) {
    if (err) throw err;
    console.log("1 document deleted");
    db.close();
  });
});

```



```

[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting 'node mongodbexnode.js'
(node:6452) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass option { useNewUrlParser: true } to MongoClient.connect.
1 document deleted
[nodemon] clean exit - waiting for changes before restart

```

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("Music1");
  var myobj = {SongName : "Neethanae neethane"};
  dbo.collection("NodeSongDetail").insertOne(myobj, function(err, res) {
    if (err) throw err;
    console.log("1 document inserted");
    db.close();
  });
});

```

```

[nodemon] restarting due to changes...
[nodemon] starting 'node mongodbexnode.js'
(node:6713) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass option { useNewUrlParser: true } to MongoClient.connect.
1 document inserted
[nodemon] clean exit - waiting for changes before restart

```

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

10) List out the singers' names in your document