

# Monogdb 1

1) Create a Database called music.

```
ukistu01@ukipc01:~/Documents/uki4/programming/Backend/Node.js MongoDB$ npm install mongodb
/home/ukistu01
└─ mongodb@3.1.13

npm WARN enoent ENOENT: no such file or directory, open '/home/ukistu01/package.json'
npm WARN ukistu01 No description
npm WARN ukistu01 No repository field.
npm WARN ukistu01 No README data
npm WARN ukistu01 No license field.
ukistu01@ukipc01:~/Documents/uki4/programming/Backend/Node.js MongoDB$ nodemon mongo.js
[nodemon] 1.18.9
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node mongo.js`
(node:7842) 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
```

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

2) Create a collection called songdetails.

```
ukistu01@ukipc01:~/Documents/uki4/programming/Backend/Node.js MongoDB$ nodemon music.js
[nodemon] 1.18.9
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node music.js`
(node:5438) 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
```

```
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.createCollection("NodeDetails", function(err, res) {
    if (err) throw err;
    console.log("Collection created!");
    db.close();
  });
});
```

### 3) Create the above 5 song documents.

```
ukistu01@ukipc01:~/Documents/uki4/programming/Backend/Node.js MongoDB$ nodemon m
ongo.js
[nodemon] 1.18.9
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node mongo.js`
(node:3859) DeprecationWarning: current URL string parser is deprecated, and wil
l be removed in a future version. To use the new parser, pass option { useNewUrl
Parser: true } to MongoClient.connect.
Number of documents inserted: 5
[nodemon] clean exit - waiting for changes before restart
```

```
MongoClient = require('mongodb').MongoClient;
url = "mongodb://localhost:27017/";
oClient.connect(url, function(err, db) {
  (err) throw err;
  r dbo = db.db("NodeMusic");
  r myobj = [
    {SongName:"Evano Oruvan", Film:"Alai Payuthey", MusicDirector:"A.R.Rahman", Singer:"Swarnalatha"},
    {SongName:"Roja Poonthoddam", Film:"Kannukkul Nilavu", MusicDirector:"Illayaraaja", 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"}];
  o.collection("NodeDetails").insertMany(myobj, function(err, res) {
    (err) throw err;
    nsole.log("Number of documents inserted: " + res.insertedCount);
    .close();
  };
};
```

### 4) List all documents created.

```
(node:4305) 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: 5c506ac49c1281175bcb68ee,
  SongName: 'Evano Oruvan',
  Film: 'Alai Payuthey',
  MusicDirector: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
  { _id: 5c506ac49c1281175bcb68f0,
  SongName: 'Vennilave Vennilave Vinaithaandi',
  Film: 'Minsaara Kanavu',
  MusicDirector: 'A.R.Rahman',
  Singer: 'Hariharan,Sadhana Sargam' },
  { _id: 5c506b41d4e0d617cb545bac,
  SongName: 'Evano Oruvan',
  Film: 'Alai Payuthey',
  MusicDirector: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
```

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

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

```
[nodemon] restarting due to changes...
[nodemon] starting 'node mongo.js'
(node:5079) 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: 5c51ca0707ce4c0efbd01f6e,
  SongName: 'Roja Poonthoddan',
  Film: 'Kannukkul Nilavu',
  MusicDirector: 'Ilaiyaraaja',
  Singer: [ 'Unnikrishnan', 'Anuradha' ] },
  { _id: 5c51ca1d2004710f1220eb7c
```

```
ukistu01@ukipc01:~/Documents/uki4/programming/Backend/Node.js MongoDB$ nodemon mongo.js
[nodemon] 1.18.9
[nodemon] to restart at any time, enter 'rs'
[nodemon] watching: *.*
[nodemon] starting 'node mongo.js'
(node:4684) 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.
undefined
[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting 'node mongo.js'
(node:4723) 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: 5c506ac49c1281175bcb68ee,
  SongName: 'Evano Oruvan',
  Film: 'Alai Payuthey',
  MusicDirector: 'A.R.Rahman',
  Singer: 'Swarnalatha' }
```

7) Delete the song which you don't like.

```
ukistu01@ukipc01:~/Documents/uki4/programming/Backend/Node.js MongoDB$ nodemon mongo.js
[nodemon] 1.18.9
[nodemon] to restart at any time, enter 'rs'
[nodemon] watching: *.*
[nodemon] starting 'node mongo.js'
(node:5428) 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
█
```

```

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: 'Kannukkul Nilavu' };
  dbo.collection("NodeDetails").deleteOne(myquery, function(err, obj) {
    if (err) throw err;
    console.log("1 document deleted");
    db.close();
  });
});

```

## 8) Add new song which is your favourite

```

uk1stu01@uk1pc01:~/Documents/ukt4/programming/Backend/Node.js MongoDB$ nodeemon mongo.js
[nodenon] 1.18.9
[nodenon] to restart at any time, enter 'rs'
[nodenon] watching: "*"
[nodenon] starting 'node mongo.js'
(node:5714) 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
[nodenon] clean exit - waiting for changes before restart
[nodenon] restarting due to changes...
[nodenon] starting 'node mongo.js'
(node:5743) 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: 1
[nodenon] clean exit - waiting for changes before restart

```

```

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:"Roja Poonthoddam", Film:"Kannukkul Nilavu",MusicDirector:"Illayaraaja", Singer:["Unnikrishnan","Anuradha"]},
  ];
  dbo.collection("NodeDetails").insertMany(myobj, function(err, res) {
    if (err) throw err;
    console.log("Number of documents inserted: " + res.insertedCount);
    db.close();
  });
});

```

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

```
ukitsu01@ukitpc01:~/Documents/uki4/programming/Backend/Node.js MongoDB$ nodemon mongo.js
[nodemon] 1.18.9
[nodemon] to restart at any time, enter 'rs'
[nodemon] watching: *.*
[nodemon] starting 'node mongo.js'
(node:6112) 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: 5c506ac49c1281175bcb68f0,
  SongName: 'Vennilave Vennilave Vinaithaandi',
  Film: 'Minsaara Kanavu',
  MusicDirector: 'A.R.Rahman',
  Singer: 'Hariharan,Sadhana Sargam' },
```

```
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");
  //Find all documents in the customers collection:
  dbo.collection("NodeDetails").find({Singer : 'Hariharan'}, {Film: 'Minsaara Kanavu'}).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    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");
  //Find all documents in the customers collection:
  dbo.collection("NodeDetails").find({}, {Singer:1, _id:0}).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```