

1. Create Database

```
qu1.js
1 var MongoClient = require('mongodb').MongoClient;
2   //Create a database named "mydb":
3   var url = "mongodb://localhost:27017/music";
4
5   MongoClient.connect(url, function(err, db) {
6     if (err) throw err;
7     console.log("Database created!");
8     db.close();
9   });
10
```

```
ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$ node qu1.js
(node:5451) 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.
Database created!
ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$
```

2. Create collection

```
qu1.js  qu2.js
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   var dbo = db.db("music");
7   dbo.createCollection("songdetails", function(err, res) {
8     if (err) throw err;
9     console.log("Collection created!");
10    db.close();
11  });
12 });
13
```

```
ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$ node qu2.js
(node:6124) 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!
ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$
```

3) Create the above 5 song documents.

```
qu1.js  x  qu2.js  x  qu3.js  x
1  var MongoClient = require('mongodb').MongoClient;
2  var url = "mongodb://localhost:27017/";
3
4  MongoClient.connect(url, function(err, db) {
5    if (err) throw err;
6    var dbo = db.db("music");
7    var myobj = [
8      {
9        Songname : "Thaniye Thananthaniye",flim: "Rhythm",Musicdirector: "A.R.Rahman",Singer: "Shankar mahadevan"
10     },
11     {
12       Songname: "Evano oruvan",flim: "Alai payuthe",Musicdirector: "A.R.Rahman",Singer: "Swarnalatha"
13     },
14     {
15       Songname: "Roja poonthoddam",flim: "Kannukkul nilavu",Musicdirector : "Ilaiyaraja",Singer: ([ "unnikrishnan","Anuradha Sriram"])
16     },
17     {
18       Songname : "Vennilave venilave vinnaithaandi",flim: "Minsarak kanavu",Musicdirector: "A.R.Rahman",Singer:([ "Hariharan","Sadhana Sargam"])
19     },
20     {
21       Songname : "Sollamal thottu chellum thendral",film: "Dheena", Musicdirector: "Yuvan Shankar Raja",Singer: "Hariharan"
22     }
23   ];
24
25
26   dbo.collection("songdetails").insertMany(myobj, function(err, res) {
27     if (err) throw err;
28     console.log("Number of documents inserted: " + res.insertedCount);
29     db.close();
30   });
31 });
```

```
ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$ node qu3.js
(node:6494) 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
ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$
```

4) List all documents created.

```
qu1.js  x  qu2.js  x  qu3.js  x  qu4.js
1  var MongoClient = require('mongodb').MongoClient;
2  var url = "mongodb://localhost:27017/";
3
4  MongoClient.connect(url, function(err, db) {
5    if (err) throw err;
6    var dbo = db.db("music");
7    dbo.collection("songdetails").find({}).toArray(function(err, result) {
8      if (err) throw err;
9      console.log(result);
10     db.close();
11   });
12 });
13
```

```

ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$ node qu4.js
(node:6657) 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: 5c529f02b4bc5d195eb18adb,
  Songname: 'Thaniye Thananthaniye',
  flim: 'Rhythm',
  Musicdirector: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5c529f02b4bc5d195eb18adc,
  Songname: 'Evano oruvan',
  flim: 'Alai payuthe',
  Musicdirector: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
  { _id: 5c529f02b4bc5d195eb18add,
  Songname: 'Roja poonthooddam',
  flim: 'Kannukkul nilavu',
  Musicdirector: 'Ilaiyaraja',
  Singer: [ 'unnikrishnan', 'Anuradha Sriram' ] },
  { _id: 5c529f02b4bc5d195eb18ade,
  Songname: 'Vennilave venilave vinnaihaandi',
  flim: 'Minsarak kanavu',
  Musicdirector: 'A.R.Rahman',

```

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

```

qu1.js      x  qu2.js      x  qu3.js      x
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("music");
  var query = { Musicdirector: "A.R.Rahman" };
  dbo.collection("songdetails").find(query).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});

```

```

ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$ node qu5.js
(node:7120) 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: 5c529f02b4bc5d195eb18adb,
  Songname: 'Thaniye Thananthaniye',
  flim: 'Rhythm',
  Musicdirector: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5c529f02b4bc5d195eb18adc,
  Songname: 'Evano oruvan',
  flim: 'Alai payuthe',
  Musicdirector: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
  { _id: 5c529f02b4bc5d195eb18ade,
  Songname: 'Vennilave venilave vinnaiithaandi',
  flim: 'Minsarak kanavu',
  Musicdirector: 'A.R.Rahman',
  Singer: [ 'Hariharan', 'Sadhana Sargam' ] } ]
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```

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

```

qu6.js      x    qu4.js      x
1  var MongoClient = require('mongodb').MongoClient;
2  var url = "mongodb://localhost:27017/";
3
4  MongoClient.connect(url, function(err, db) {
5    if (err) throw err;
6    var dbo = db.db("music");
7    /*Return only the documents with the address "Park Lane 38":*/
8    var query = { Musicdirector: "Ilaiyaraja", Singer: "unnikrishnan,Anuradha Sriram" };
9    dbo.collection("songdetails").find(query).toArray(function(err, result) {
10      if (err) throw err;
11      console.log(result);
12      db.close();
13    });
14  });
15

```

```

ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$ node qu6.js
(node:8272) 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.
[]
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```

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

```
qu6.js  X  qu7.js  X  qu4.js  X
1  var MongoClient = require('mongodb').MongoClient;
2  var url = "mongodb://localhost:27017/";
3
4  MongoClient.connect(url, function(err, db) {
5    if (err) throw err;
6    var dbo = db.db("music");
7    var myquery = { Songname: "Roja poonthooddam"};
8    dbo.collection("songdetails").deleteOne(myquery, function(err, obj) {
9      if (err) throw err;
10     console.log("1 document deleted");
11     db.close();
12   });
13 });
14
```

```
ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$ node qu7.js
(node:8630) 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
ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$
```

8) Add new song which is your favourite.

```
qu6.js  X  qu7.js  X  qu8.js  X  qu4.js  X
1  var MongoClient = require('mongodb').MongoClient;
2  var url = "mongodb://localhost:27017/";
3
4  MongoClient.connect(url, function(err, db) {
5    if (err) throw err;
6    var dbo = db.db("music");
7    var myobj = { Songname: "ammu kuttyee", flim: "jemikaneshanum surilirajan", Musicdirector: "Ilaiyaraja", Singer: "Hariharan"};
8    dbo.collection("songdetails").insertOne(myobj, function(err, res) {
9      if (err) throw err;
10     console.log("1 document inserted");
11     db.close();
12   });
13 });
14
```

```
ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$ node qu8.js
(node:9519) 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
ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$
```

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

```
qu9.js
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   var dbo = db.db("music");
7
8   var query = {flim: "Minsarak kanavu", Singer: "Hariharan" };
9   dbo.collection("songdetails").find(query).toArray(function(err, result) {
10    if (err) throw err;
11    console.log(result);
12    db.close();
13  });
14 });
15
```

```
ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$ node qu9.js
(node:9957) 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.
[]
ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$
```

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

```
qu9.js  qu10.js  untitled
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   var dbo = db.db("music");
7   dbo.collection("songdetails").find({}, { _id:0, Singer:1, Songname:0, film:0, Musicdirector:0 }).toArray(function(err, result) {
8     if (err) throw err;
9     console.log(result);
10    db.close();
11  });
12 });
13
```

```
ukistu04@ukipc04:~/Documents/uki4/programming/Nodejs mongodb$ node qu10.js
(node:10336) 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: 5c529f02b4bc5d195eb18adb,
  Songname: 'Thaniye Thananthaniye',
  flim: 'Rhythm',
  Musicdirector: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5c529f02b4bc5d195eb18adc,
  Songname: 'Evano oruvan',
  flim: 'Alai payuthe',
  Musicdirector: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
  { _id: 5c529f02b4bc5d195eb18ade,
  Songname: 'Vennilave venilave vinnaitaandi',
  flim: 'Minsarak kanavu',
  Musicdirector: 'A.R.Rahman',
  Singer: [ 'Hariharan', 'Sadhana Sargam' ] },
  { _id: 5c529f02b4bc5d195eb18adf,
  Songname: 'Sollamal thottu chellum thendral',
  film: 'Dheena',
  Musicdirector: 'Yuvan Shankar Raja',
  Singer: 'Hariharan' },
```