

1) Create a Database called music.

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  console.log("Database created!");
  db.close();
});
```

```
^Cukistu13@ukipc13:~/Desktop/node.js$ mongod$ nodemon nm1.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nm1.js`
(node:16447) 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!
[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("music");
  dbo.createCollection("songdetails", function(err, res) {
    if (err) throw err;
    console.log("Collection created!");
    db.close();
  });
});
```

```
^Cukistu13@ukipc13:~/Desktop/node.js$ mongod$ nodemon nm2.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nm2.js`
(node:16728) 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("music");
  var myobj = [
    { songname: 'Tahniye Thananthaaniye', film: 'Rythm', musicDirector: 'A.R.Rahman', singer: 'Shangar mahadev' },
    { songname: 'Evano oruvan', film: 'Alai payuthe', musicDirector: 'A.R.Rahman', singer: 'Swarnalatha' },
    { songName: 'Roja poonthottam', film: 'Kannukkul Nilavu', musicDirector: 'Illaiyaraja', singer: 'unnikirsh' },
    { songName: 'Vennilave Venninalve Vinnaithandi', film: 'Minsara Kanavu', musicDirector: 'A.R.Rahman', singer: 'S.P.Balasubrahmanyam' },
    { songName: 'Sollamal Thottu Chellum Thendral', film: 'Dheena', musicDirector: 'Yuvan Shankar Raja', singer: 'S.P.Balasubrahmanyam' }
  ];
  dbo.collection("songdetails").insertMany(myobj, function(err, res) {
    if (err) throw err;
    console.log("Number of documents inserted: " + res.insertedCount);
    db.close();
  });
});
```

```
ukistu13@ukipc13:~/Desktop/node.jsmongodb$ nodemon nm3.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nm3.js`
(node:4999) 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("music");
  dbo.collection("songdetails").find({}).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

```

^Cuk1stul3@ukipc13:~/Desktop/node.js$ mongod
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nm4.js`
(node:5489) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new pa
tion { useNewUrlParser: true } to MongoClient.connect.
[ { _id: 5d24299f78d91d13877d0c2b,
  songname: 'Tahniye Thananthaaniye',
  film: 'Rythm',
  musicDirector: 'A.R.Rahman',
  singer: 'Shangar mahadevan' },
  { _id: 5d24299f78d91d13877d0c2c,
  songname: 'Evano oruvan',
  film: 'Alai payuthe',
  musicDirector: 'A.R.Rahman',
  singer: 'Swarnalatha' },
  { _id: 5d24299f78d91d13877d0c2d,
  songName: 'Roja poonthottam',
  film: 'Kannukkul Nilavu',
  musicDirector: 'Illaiyaraja',
  singer: 'unnikirshnan.Anuradha Sriram' },
  { _id: 5d24299f78d91d13877d0c2e,
  songName: 'Vennilave Venninalve Vinnaihandi',
  film: 'Minsara Kanavu',
  musicDirector: 'A.R.Rahman',
  singer: 'Hariharan Sadhana sargam' },
  { _id: 5d24299f78d91d13877d0c2f,
  songName: 'Sollamal Thottu Chellum Thendral',
  film: 'Dheena',
  musicDirector: 'Yuvan 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("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();
  });
});

```



```

^[[A^Cukistul3@ukipc13:~/Desktop/node.jsmongodb$ nodemon nm5.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nm5.js`
(node:6190) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass
tion { useNewUrlParser: true } to MongoClient.connect.
[ { _id: 5d24299f78d91d13877d0c2b,
  songname: 'Tahniye Thananthaaniye',
  film: 'Rythm',
  musicDirector: 'A.R.Rahman',
  singer: 'Shangar mahadevan' },
  { _id: 5d24299f78d91d13877d0c2c,
  songname: 'Evano oruvan',
  film: 'Alai payuthe',
  musicDirector: 'A.R.Rahman',
  singer: 'Swarnalatha' },
  { _id: 5d24299f78d91d13877d0c2e,
  songName: 'Vennilave Venninalve Vinnaitthandi',
  film: 'Minsara Kanavu',
  musicDirector: 'A.R.Rahman',
  singer: 'Hariharan Sadhana sargam' } ]
[nodemon] clean exit - waiting for changes before restart

```

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("music");
  var query = ({ $and:[{musicDirector:"A.R.Rahman"},{singer:"unnikirshnan"}] });
  dbo.collection("songdetails").find(query).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});

```

```

^Cukistul3@ukipc13:~/Desktop/node.jsmongodb$ nodemon nm6.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nm6.js`
(node:6710) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass op
tion { useNewUrlParser: true } to MongoClient.connect.
[]
[nodemon] clean exit - waiting for changes before restart

```

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

```

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 myquery = { songName:'Tahniye Thananthaaniye' };
  dbo.collection("customers").deleteOne(myquery, function(err, obj) {
    if (err) throw err;
    console.log("1 document deleted");
    db.close();
  });
});

```

```

^Cukistul3@ukipc13:~/Desktop/node.js$ mongodbm$ nodemon nm7.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nm7.js`
(node:6965) 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("music");
  var myobj = { songName:'Google Google',film:'Thuppakki',musicDirector:'A.Rahman',singer:'Anuradha Sriram };
  dbo.collection("songdetails").insertOne(myobj, function(err, res) {
    if (err) throw err;
    console.log("1 document inserted");
    db.close();
  });
});

```

```

^Cukistul3@ukipc13:~/Desktop/node.js$ mongodbm$ nodemon nm8.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nm8.js`
(node:7690) 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.

```

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 = ({ $and:[{film:"Minsara Kanavu"},{singer:"Hariharan"}] });
  dbo.collection("songdetails").find(query).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});

```

```

Cukistul3@ukipcl3:~/Desktop/node.js$ mongod
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nm9.js`
(node:7980) 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.
[]
[nodemon] clean exit - waiting for changes before restart

```

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("music");
  dbo.collection("songdetails").find({}, {projection: {_id:0, singer:1}}).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});

```

```
^Cukistul3@ukipc13:~/Desktop/node.jsmongodb$ nodemon nm10.js
[nodemon] 1.19.1
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nm10.js`
(node:8828) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass op
tion { useNewUrlParser: true } to MongoClient.connect.
[ { singer: 'Shangar mahadevan' },
  { singer: 'Swarnalatha' },
  { singer: 'unnikirshnan,Anuradha Sriram' },
  { singer: 'Hariharan Sadhana sargam' },
  { singer: 'Hariharan' },
  { singer: 'Anuradha Sriram' },
  { singer: 'Anuradha Sriram' },
  { singer: 'Anuradha Sriram' },
  { singer: 'Anuradha Sriram' },
  { singer: 'Anuradha Sriram' } ]
[nodemon] clean exit - waiting for changes before restart
```