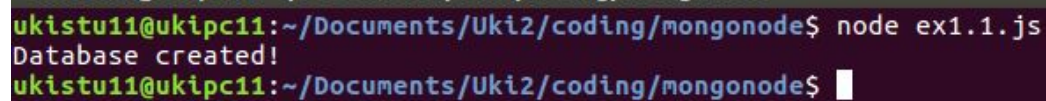Create a Database called music.

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

```
ukistu11@ukipc11:~/Documents/Uki2/coding/mongonode$ node ex1.1.js
Database created!
ukistu11@ukipc11:~/Documents/Uki2/coding/mongonode$ ▯
```

2) Create a collection called songdetails.


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

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();
  });
});
```

3) Create the above 5 song documents.

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;

  var songs = [
              { song: "thaniye thananthaniye",film: "rhythm",musicdirecter:
"A.R.rahman",singer: "shangar mahadevan" },
              { song: "evano oruvan",film:"alai payuthe",musicdirecter: "A.R.rahman",singer:"
swarnalatha"},
              { song: "roja poonthottam",film: "kannukkul nilavu", musicdirecter:
"ilaiyaraya",singer: "unnikirishnan,Anuradtha sriram"},
              { song: "vennilave vennilave",film: "minsara kanavu",musicdirecter:
"A.R.rahman",singer: "hariharan,sadhanasargam"},
              { song: "sollamal thottu chellum",film: "alai payuthe",musicdirecter: " uvan
shangar raja",singer: "hariharan"}
      ];
      var dbo = db.db("music");
  dbo.collection("songdetails").insertMany(songs, function(err, res) {
      if (err) throw err;
      console.log("number of documents inserted:" + res.insertedCount);
      db.close();
  });
})
```

4) List all documents created.

```
var MongoClient = require('mongodb').MongoClient;
```

```
var url = "mongodb://localhost:27017/music";

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();
  });
});
```

```
ukistu11@ukipc11:~/Documents/Uki2/coding/mongoDBnode$ node 4.js
[ { _id: 5a5ef896f7120327c76ad76b,
    song: 'thaniye thananthaniye',
    film: 'rhythm',
    musicdirecter: 'A.R.rahman',
    singer: 'shangar mahadevan' },
  { _id: 5a5ef896f7120327c76ad76c,
    song: 'evano oruvan',
    film: 'alai payuthe',
    musicdirecter: 'A.R.rahman',
    singer: ' swarnalatha' },
  { _id: 5a5ef896f7120327c76ad76d,
    song: 'roja poonthottam',
    film: 'kannukkul nilavu',
    musicdirecter: 'ilaiyaraya',
    singer: 'unnikirishnan,Anuradtha sriram' },
  { _id: 5a5ef896f7120327c76ad76e,
    song: 'vennilave vennilave',
    film: 'minsara kanavu',
    musicdirecter: 'A.R.rahman',
    singer: 'hariharan,sadhanasargam' },
  { _id: 5a5ef896f7120327c76ad76f,
    song: 'sollamal thottu chellum',
    film: 'alai payuthe',
    musicdirecter: ' uvan shangar raja',
    singer: 'hariharan' },
  { _id: 5a5efbb888ea1229832fc83f,
    song: 'thaniye thananthaniye',
    film: 'rhythm',
    musicdirecter: 'A.R.rahman',
    singer: 'shangar mahadevan' },
  { _id: 5a5efbb888ea1229832fc840,
    song: 'evano oruvan',
    film: 'alai payuthe',
    musicdirecter: 'A.R.rahman',
    singer: ' swarnalatha' },
  { _id: 5a5efbb888ea1229832fc841,
```

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

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("music");
  dbo.collection("songdetails").find({musicdirecter: "A.R.rahman"}, { _id: false, name: true,
address: true }).toArray(function(err, result) {
        if (err) throw err;
        console.log(result);
        db.close();
  });
});
```

```
ukistu11@ukipc11:~/Documents/Uki2/coding/mongoDBnode$ node 5.js
[ { _id: 5a5ef896f7120327c76ad76b,
    song: 'thaniye thananthaniye',
    film: 'rhythm',
    musicdirecter: 'A.R.rahman',
    singer: 'shangar mahadevan' },
  { _id: 5a5ef896f7120327c76ad76c,
    song: 'evano oruvan',
    film: 'alai payuthe',
    musicdirecter: 'A.R.rahman',
    singer: ' swarnalatha' },
  { _id: 5a5ef896f7120327c76ad76e,
    song: 'vennilave vennilave',
    film: 'minsara kanavu',
    musicdirecter: 'A.R.rahman',
    singer: 'hariharan,sadhanasargam' },
  { _id: 5a5efbb888ea1229832fc83f,
    song: 'thaniye thananthaniye',
    film: 'rhythm',
    musicdirecter: 'A.R.rahman',
    singer: 'shangar mahadevan' },
  { _id: 5a5efbb888ea1229832fc840,
    song: 'evano oruvan',
    film: 'alai payuthe',
    musicdirecter: 'A.R.rahman',
    singer: ' swarnalatha' },
  { _id: 5a5efbb888ea1229832fc842,
    song: 'vennilave vennilave',
    film: 'minsara kanavu',
    musicdirecter: 'A.R.rahman',
    singer: 'hariharan,sadhanasargam' },
  { _id: 5a5f02cc5096062c5324a42c,
    song: 'thaniye thananthaniye',
    film: 'rhythm',
    musicdirecter: 'A.R.rahman',
    singer: 'shangar mahadevan' },
  { _id: 5a5f02cc5096062c5324a42d,
```

```
  singer: ' swarnalatha' },
  _id: 5a5efbb888ea1229832fc842,
  song: 'vennilave vennilave',
  film: 'minsara kanavu',
  musicdirecter: 'A.R.rahman',
  singer: 'hariharan,sadhanasargam' },
  _id: 5a5f02cc5096062c5324a42c,
  song: 'thaniye thananthaniye',
  film: 'rhythm',
  musicdirecter: 'A.R.rahman',
  singer: 'shangar mahadevan' },
  _id: 5a5f02cc5096062c5324a42d,
  song: 'evano oruvan',
  film: 'alai payuthe',
  musicdirecter: 'A.R.rahman',
  singer: ' swarnalatha' },
  _id: 5a5f02cc5096062c5324a42f,
  song: 'vennilave vennilave',
  film: 'minsara kanavu',
  musicdirecter: 'A.R.rahman',
  singer: 'hariharan,sadhanasargam' },
  _id: 5a5f03a831b4dd2d14ddcf99,
  song: 'thaniye thananthaniye',
  film: 'rhythm',
  musicdirecter: 'A.R.rahman',
  singer: 'shangar mahadevan' },
  _id: 5a5f03a831b4dd2d14ddcf9a,
  song: 'evano oruvan',
  film: 'alai payuthe',
  musicdirecter: 'A.R.rahman',
  singer: ' swarnalatha' },
  _id: 5a5f03a831b4dd2d14ddcf9c,
  song: 'vennilave vennilave',
  film: 'minsara kanavu',
  musicdirecter: 'A.R.rahman',
  singer: 'hariharan,sadhanasargam' } ]
```

8) Add new song which is your favourite.

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("music");
  var songs = {song: "imaiye imaiye",film: "raja rani",musicdirecter: "A.R.rahman",singer: "raam"};
  dbo.collection("songdetails").insertOne(songs, function(err, res) {
```
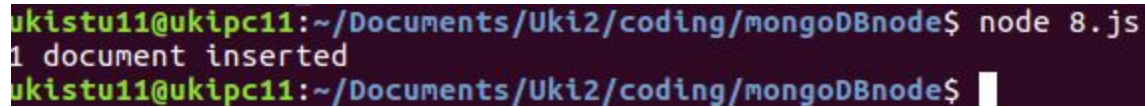
```
        if (err) throw err;
        console.log("1 document inserted");
        db.close();
  });
});
```
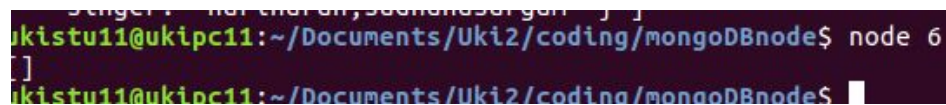
6) List A.R.Rahman's songs sung by Unnikrishnan.

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("music");
  dbo.collection("songdetails").find({musicdirecter: "A.R.rahman",singer: "unnikrishnan"}, { _id:
false, name: true, address: true }).toArray(function(err, result) {
        if (err) throw err;
        console.log(result);
        db.close();
  });
});
```

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

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("music");
  var myquery = {song: "thaniye thananthaniye"};
```
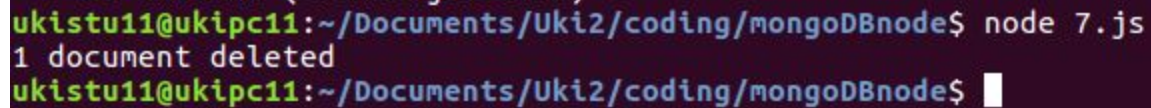
```
    dbo.collection("songdetails").deleteOne(myquery, function(err, obj) {
        if (err) throw err;
        console.log("1 document deleted");
        db.close();
  });
});
```

```
ukistu11@ukipc11:~/Documents/Uki2/coding/mongoDBnode$ node 7.js
1 document deleted
ukistu11@ukipc11:~/Documents/Uki2/coding/mongoDBnode$
```
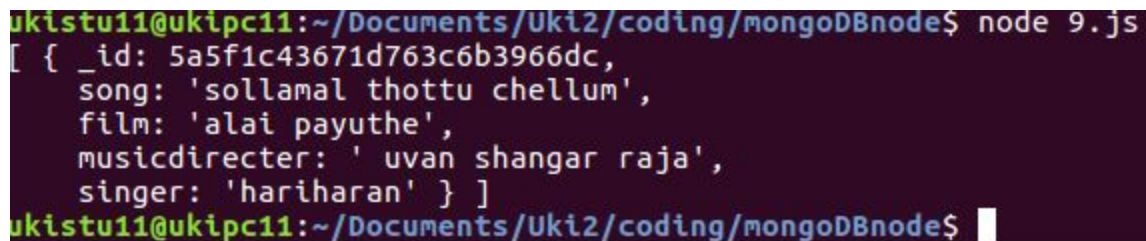
9) List Songs sung by Hariharan from Minsara kanavu film.

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("music");
  dbo.collection("songdetails").find({singer: "hariharan",film: "alai payuthe"}, { _id: false, name:
true, address: true }).toArray(function(err, result) {
        if (err) throw err;
        console.log(result);
        db.close();
  });
});
```

```
ukistu11@ukipc11:~/Documents/Uki2/coding/mongoDBnode$ node 9.js
[ { _id: 5a5f1c43671d763c6b3966dc,
    song: 'sollamal thottu chellum',
    film: 'alai payuthe',
    musicdirecter: ' uvan shangar raja',
    singer: 'hariharan' } ]
ukistu11@ukipc11:~/Documents/Uki2/coding/mongoDBnode$
```

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

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("music");
  dbo.collection("songdetails").find({}, { _id: false, "singer": true,}).toArray(function(err, result) {
        if (err) throw err;
        console.log(result);
        db.close();
  });
});
```