1) 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
```

2) Create a collection called songdetails.

```
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     var dbase = db.db("music");
7     dbase.createCollection("songdetails", function(err, res) {
8       if (err) throw err;
9       console.log("Collection created!");
10      db.close();
11    });
12  });
13
```

3) Create the above 5 song documents.

```
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     var myobj = [
7       { Song_Name: 'Thaniye_Thananthaniye', Film: 'Rhythm',Music_Director:'A.R.Rahman',Singer:'Shankar_mahadevan'},
8       { Song_Name: 'Evano_Oruvan', Film: 'Alai_Payuthey',Music_Director:'A.R.Rahman',Singer:'Swarnalatha'},
9       { Song_Name: 'Roja_Poonthottam', Film: 'Kannukkul_Nilavu',Music_Director:'Ilaiyaraaja',Singer:'Unnikrishnan_Anuradha Sriram'},
10      { Song_Name: 'Vennilavae_Vennilavae _Vinnaithaandi', Film: 'Minsara_Kanavu',Music_Director:'A.R.Rahman',Singer:'Hariharan_Sadhana_Sargam'},
11      { Song_Name: 'Sollamal_Thottu_Chellum_Thendral', Film: 'Dheena',Music_Director:'Yuvan_Shankar_Raja',Singer:'Hariharan'},
12      { Song_Name: 'Thaniye_Thananthaniye', Film: 'Dheena',Music_Director:'A.R.',Singer:'Shankar mahadevan'},
13
14    ];
15    var dbase = db.db("music");
16
17    dbase.collection("songdetails").insertMany(myobj, function(err, res) {
18      if (err) throw err;
19      console.log("Number of documents inserted: " + res.insertedCount);
20      db.close();
21    });
22  });
23
```

4) List all documents created.

```
chris@UKIPC06:~/Documents/uki2/coding/node/mongo nodejs/mongodbex1$ node findall[ { _id: 5a55e2c37c2c9a0e3ba5a300,
    Song_Name: 'Thaniye_Thananthaniye',
    Film: 'Rhythm',
    Music_Director: 'A.R.Rahman',
    Singer: 'Shankar_mahadevan' },
  { _id: 5a55e2c37c2c9a0e3ba5a301,
    Song_Name: 'Evano_Oruvan',
    Film: 'Alai_Payuthey',
    Music_Director: 'A.R.Rahman',
    Singer: 'Swarnalatha' },
  { _id: 5a55e2c37c2c9a0e3ba5a302,
    Song_Name: 'Roja_Poonthottam',
    Film: 'Kannukkul_Nilavu',
    Music_Director: 'Ilaiyaraaja',
    Singer: 'Unnikrishnan_Anuradha Sriram' },
  { _id: 5a55e2c37c2c9a0e3ba5a303,
    Song_Name: 'Vennilavae_Vennilavae _Vinnaithaandi',
    Film: 'Minsara_Kanavu',
    Music_Director: 'A.R.Rahman',
    Singer: 'Hariharan_Sadhana_Sargam' },
  { _id: 5a55e2c37c2c9a0e3ba5a304,
    Song_Name: 'Sollamal_Thottu_Chellum_Thendral',
    Film: 'Dheena',
    Music_Director: 'Yuvan_Shankar_Raja',
    Singer: 'Hariharan' },
  { _id: 5a55e2c37c2c9a0e3ba5a305,
    Song_Name: 'Thaniye_Thananthaniye',
    Film: 'Dheena',
    Music_Director: 'A.R.',
    Singer: 'Shankar mahadevan' } ]
chris@UKIPC06:~/Documents/uki2/coding/node/mongo nodejs/mongodbex1$
```

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

```
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     //Exclude the _id field from the result:
7     var dbase = db.db("music");
8     dbase.collection("songdetails").find({Music_Director:"A.R.Rahman"}, { _id: false, name: true }).toArray(function(err, result) {
9       if (err) throw err;
10      console.log(result);
11      db.close();
12    });
13  });
```

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

```
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     //Exclude the _id field from the result:
7     var dbase = db.db("music");
8     dbase.collection("songdetails").find({Music_Director:"A.R.Rahman",Singer:'Unnikrishnan_Anuradha Sriram'}, { _id: false, name: true }).toArray(function(err, result) {
9       if (err) throw err;
10      console.log(result);
11      db.close();
12    });
13  });
```

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

```
 1
 2   var MongoClient = require('mongodb').MongoClient;
 3   var url = "mongodb://localhost:27017/music";
 4
 5   MongoClient.connect(url, function(err, db) {
 6     if (err) throw err;
 7     /*Delete the first customers with the address "Mountain 21":*/
 8     var myquery = { Song_Name: 'Evano_Oruvan' };
 9     var dbase = db.db("music");
10     dbase.collection("songdetails").deleteOne(myquery, function(err, obj) {
11       if (err) throw err;
12       console.log("1 document deleted");
13       db.close();
14     });
 5   });
.6
```

8) Add new song which is your favourite.

```
 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     var myobj = { Song_Name: 'yo_yo_yo', Film: 'Uki',Music_Director:'Chris',Singer:'DJNimal' };
 7     var dbase = db.db("music");
 8     dbase.collection("customers").insertOne(myobj, function(err, res) {
 9       if (err) throw err;
10       console.log("1 document inserted");
11       db.close();
12     });
13   });
14
```

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

```
 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     //Exclude the _id field from the result:
 7     var dbase = db.db("music");
 8     dbase.collection("songdetails").find({Singer:'Hariharan_Sadhana_Sargam',Film: 'Minsara_Kanavu'}, { _id: false, name: true }).toArray(function(err, result) {
 9       if (err) throw err;
10       console.log(result);
11       db.close();
12     });
13   });
14
```

```
chris@UKIPC06:~/Documents/uki2/coding/node/mongo nodejs/mongodbex1$ node harison
gd
[ { _id: 5a55e2c37c2c9a0e3ba5a303,
    Song_Name: 'Vennilavae_Vennilavae _Vinnaithaandi',
    Film: 'Minsara_Kanavu',
    Music_Director: 'A.R.Rahman',
    Singer: 'Hariharan_Sadhana_Sargam' } ]
chris@UKIPC06:~/Documents/uki2/coding/node/mongo nodejs/mongodbex1$
```

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

```
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    //Exclude the _id field from the result:
7    var dbase = db.db("music");
8    dbase.collection("songdetails").find({}, { _id: false, Singer: true, Song_Name: false, Film: false, Music_Director: false }).toArray(function(err, result) {
9      if (err) throw err;
10     console.log(result);
11     db.close();
12   });
13 });
```