1) Create a Database called music

```
ques1.js          ×    ques2.js          ×
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
```

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

```
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 : "Thaniye Thananthaniye",
      flim : "Rhythm",
      Musicdirector: "A.R.Rahman",
      Singer : "Shankar mahadevan"
    },
    {
      Songname : "Evano oruvan",
      flim : "Alai payuthe",
      Musicdirector : "A.R.Rahman",
      Singer : "Swarnalatha"
    },
    {
      Songname : "Roja poonthooddam",
      flim : "Kannukkul nilavu",
      Musicdirector: "Ilaiyaraja",
      Singer: "unnikrishnan,Anuradha Sriram"
    },
    {
      Songname : "Vennilave venilave vinnaithaandi",
      flim : "Minsarak kanavu",
      Musicdirector: "A.R.Rahman",
      Singer: "Hariharan,Sadhana Sargam"
    },
    {
      Songname: "Sollamal thottu chellum thendral",
      flim: "Dheena",
      Musicdirector: "Yuvan Shankar Raja",
      Singer: "Hariharan"
    }

  ];

  dbo.collection("songdetails").insertMany(myobj, function(err, res) {
  if (err) throw err;
  console.log("Number of documents inserted: " + res.insertedCount);
  db.close();
  });
});
```

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

```
node:5111) DeprecationWarning: current URL string parser is deprecated, and will be removed
{ _id: 5c344ade565083e4970f2d49,
  'songs name': 'Thaniye thananthaniye',
  film: 'rytham',
  'Music Director': 'A.R Rahuman',
  Singer: 'Shankar Mahadevan' },
{ _id: 5c344bd1565083e4970f2d4a,
  'songs name': 'Evano Oruvan',
  film: 'Alai Payuthey',
  'Music Director': 'A.R Rahuman',
  Singer: 'swamalatha' },
{ _id: 5c38475e0e74c55fc7c853a9,
  'songs name': 'Roja Ponthodam',
  film: 'kannukkul Nillavu',
  'Music Director': 'Illayaraaja',
  Singer: [ 'unnikrishnan', 'Anuradha Sriram' ] },
{ _id: 5c3848160e74c55fc7c853aa,
  'songs name': 'Nenje Elu',
  film: 'mariyan',
  'Music Director': 'A.R Rahuman',
  Singer: 'A.R Rahuman' },
{ _id: 5c3849790e74c55fc7c853ab,
  'songs name': 'vennilavae vennilavae vinnaithandi',
  film: 'Minsara Kanav',
  'Music Director': 'A.R Rahuman',
  Singer: [ 'Hariharan', 'Sadhana Sargam' ] },
```

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");
  /*Return only the documents with the address "Park Lane 38":*/
  var query = { Musicdirector: "Ilaiyaraja", Singer: "unnikrishnan " };
  dbo.collection("songdetails").find(query).toArray(function(err, result) {
  if (err) throw err;
  console.log(result);
  db.close();
  });
});
```

```
[nodemon] restarting due to changes...
[nodemon] starting `node ques1.js`
(node:5591) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass option { useNewUrl
[ { _id: 5c512fb5afbbbc1280e124dd,
  Songname: 'Thaniye Thananthaniye',
  flim: 'Rhythm',
  Musicdirector: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
{ _id: 5c512fb5afbbbc1280e124de,
  Songname: 'Evano oruvan',
  flim: 'Alai payuthe',
  Musicdirector: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
{ _id: 5c512fb5afbbbc1280e124e0,
  Songname: 'Vennilave venilave vinnaithaandi',
  flim: 'Minsarak kanavu',
  Musicdirector: 'A.R.Rahman',
  Singer: 'Hariharan,Sadhana Sargam' },
{ _id: 5c5130512fe40f131a08bf8d,
  Songname: 'Thaniye Thananthaniye',
  flim: 'Rhythm',
  Musicdirector: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
```

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");
  /*Return only the documents with the address "Park Lane 38":*/
  var query = { Musicdirector: "Ilaiyaraja", Singer: "unnikrishnan " };
  dbo.collection("songdetails").find(query).toArray(function(err, result) {
  if (err) throw err;
  console.log(result);
  db.close();
  });
});
```

```
{  id: 5c5130512fe40f131a08bf8f,
   Songname: 'Roja poonthooddam',
   flim: 'Kannukkul nilavu',
   Musicdirector: 'Ilaiyaraja',
   Singer: 'unnikrishnan,Anuradha Sriram' } ]
[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
```

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: "Roja poonthooddam"};
  dbo.collection("songdetails").deleteOne(myquery, function(err, obj) {
    if (err) throw err;
    console.log("1 document deleted");
    db.close();
  });
});
```

```
(node:7440) DeprecationWarning: current URL string parser is deprecated, and will be removed
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 : "chotta chota",flim: "Thajmahal",Musicdirector: "A.R.Rahman",Singer: "Shankar mahadevan"
  }

  dbo.collection("songdetails").insertOne(myobj, function(err, res) {
    if (err) throw err;
    console.log("1 document inserted");
    db.close();
  });
});
```

```
(node:7746) DeprecationWarning: current URL string parser is dep
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 = {flim: "Minsarak kanavu",Singer: "Hariharan"};
  dbo.collection("songdetails").find(query).toArray(function(err, result) {
  if (err) throw err;
  console.log(result);
  db.close();
  });
});
```

```
 Singer: 'Hariharan,Sadhana Sargam' },
  { _id: 5c5130512fe40f131a08bf90,
    Songname: 'Vennilave venilave vinnaithaandi',
    flim: 'Minsarak kanavu',
    Musicdirector: 'A.R.Rahman',
    Singer: 'Hariharan,Sadhana Sargam' } ]
[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({}, { _id:0,Singer:1,Songname:0, film:0,Musicdirector:0 }).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```