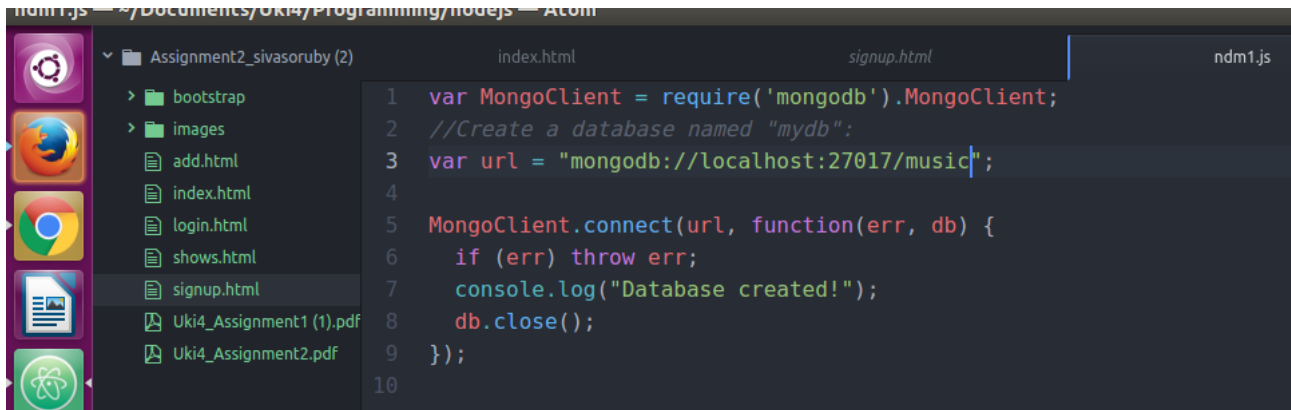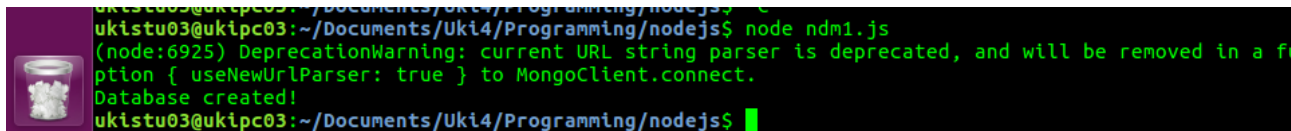1) Create a Database called music.
Code: var MongoClient = require('mongodb').MongoClient;
//Create a database named "mydb":
var url = "mongodb://localhost:27017/music";

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

2) Create a collection called songdetails.

Code: 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();
 });
});

```
   Assignment2_sivasoruby (2)          ndm1.js                    ndm2.js
   >  bootstrap              1   var MongoClient = require('mongodb').MongoClient;
   >  images                 2   var url = "mongodb://localhost:27017/";
      add.html               3
      index.html             4   MongoClient.connect(url, function(err, db) {
      login.html             5     if (err) throw err;
      shows.html             6     var dbo = db.db("music");
      signup.html            7     dbo.createCollection("songdetails", function(err, res) {
      Uki4_Assignment1 (1).pdf 8     if (err) throw err;
      Uki4_Assignment2.pdf   9       console.log("Collection created!");
                            10       db.close();
                            11     });
                            12   });
                            13   |
```

```
ukistu03@ukipc03:~/Documents/Uki4/Programming/nodejs$ node ndm2.js
(node:7206) DeprecationWarning: current URL string parser is deprecated, and will be removed in a fu
ption { useNewUrlParser: true } to MongoClient.connect.
Collection created!
ukistu03@ukipc03:~/Documents/Uki4/Programming/nodejs$
```

3) Create the above 5 song documents.

Code: 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",

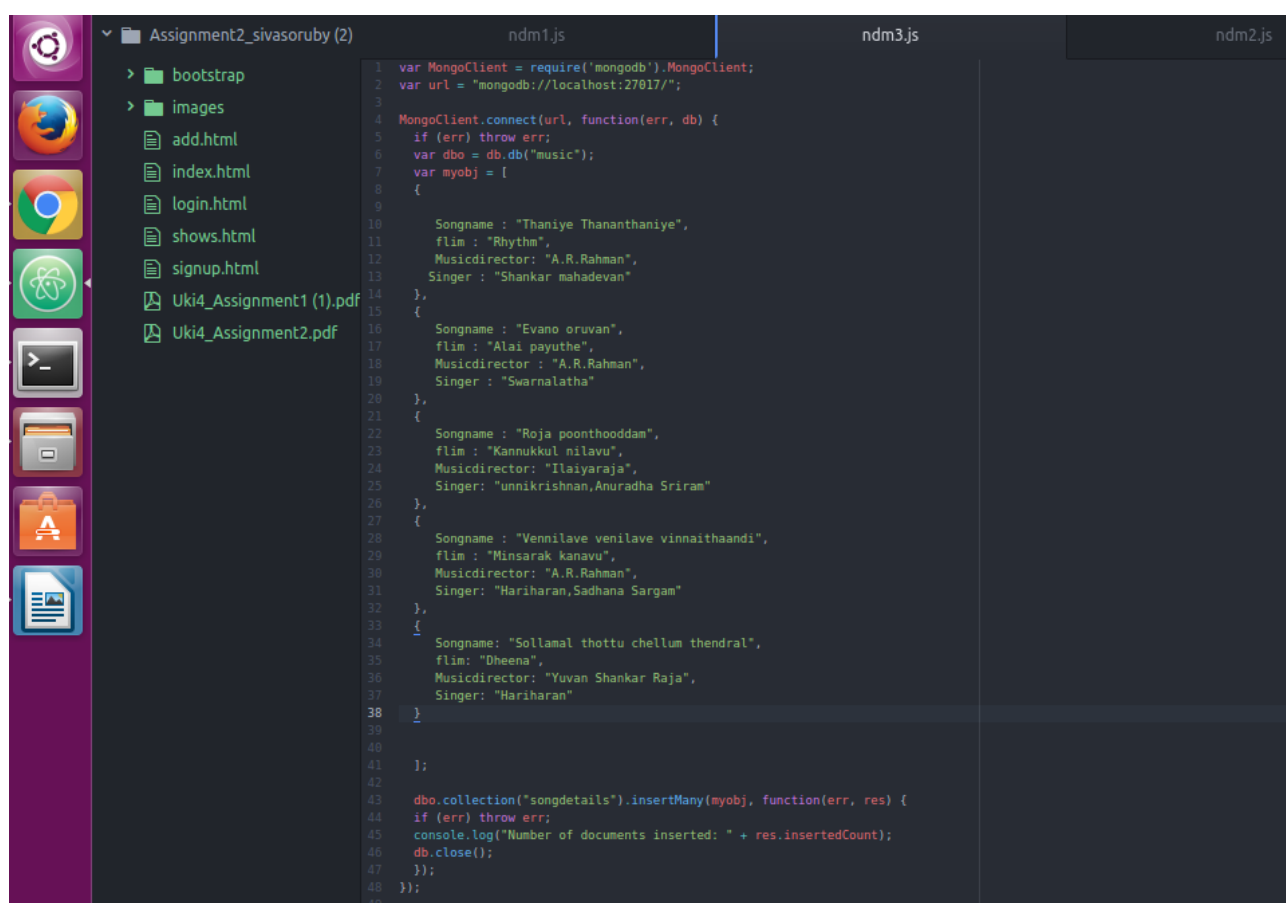   Singer : "Shankar mahadevan"

     },

     {

     Songname : "Evano oruvan",

     flim : "Alai payuthe",

```javascript
      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();
  });
});
```
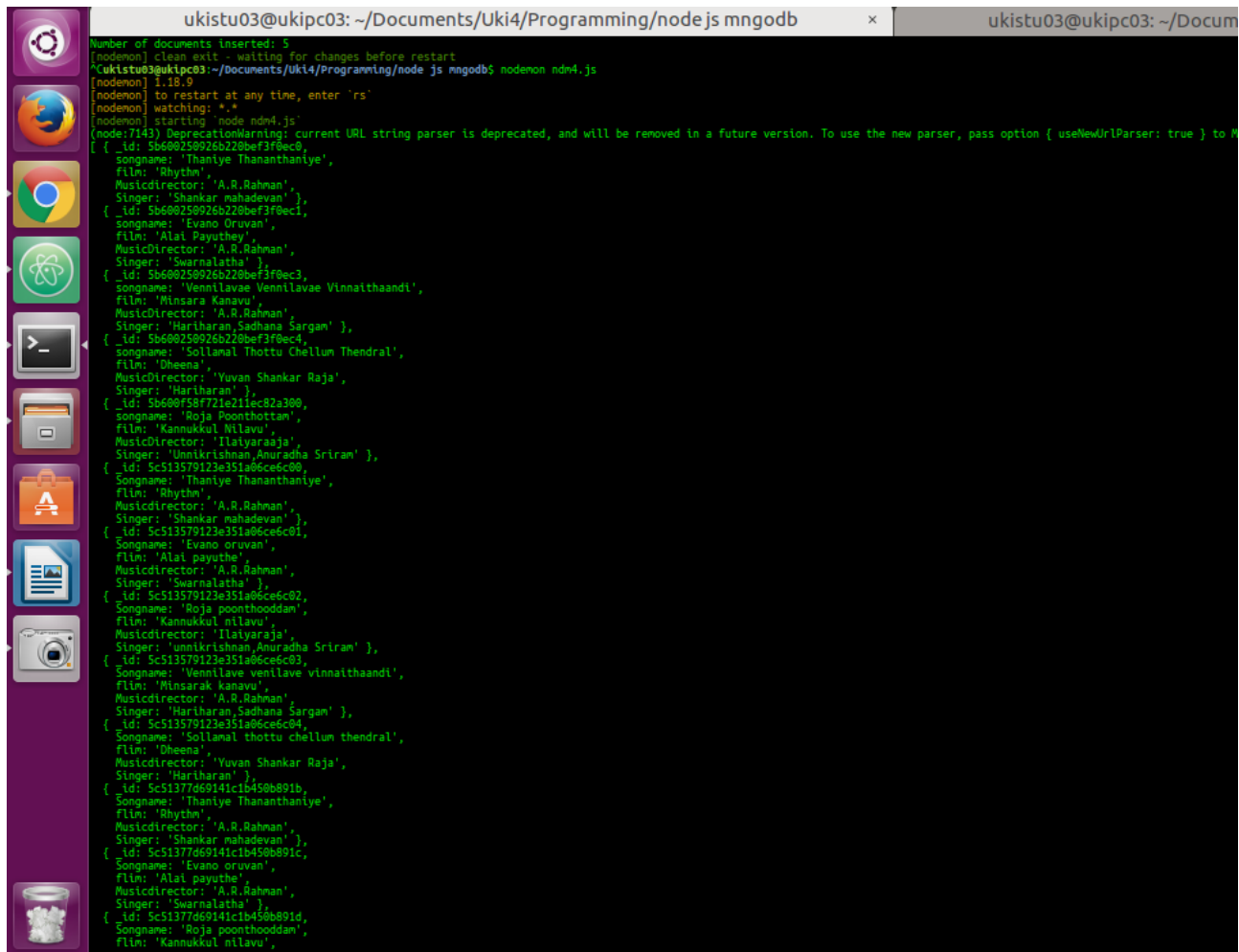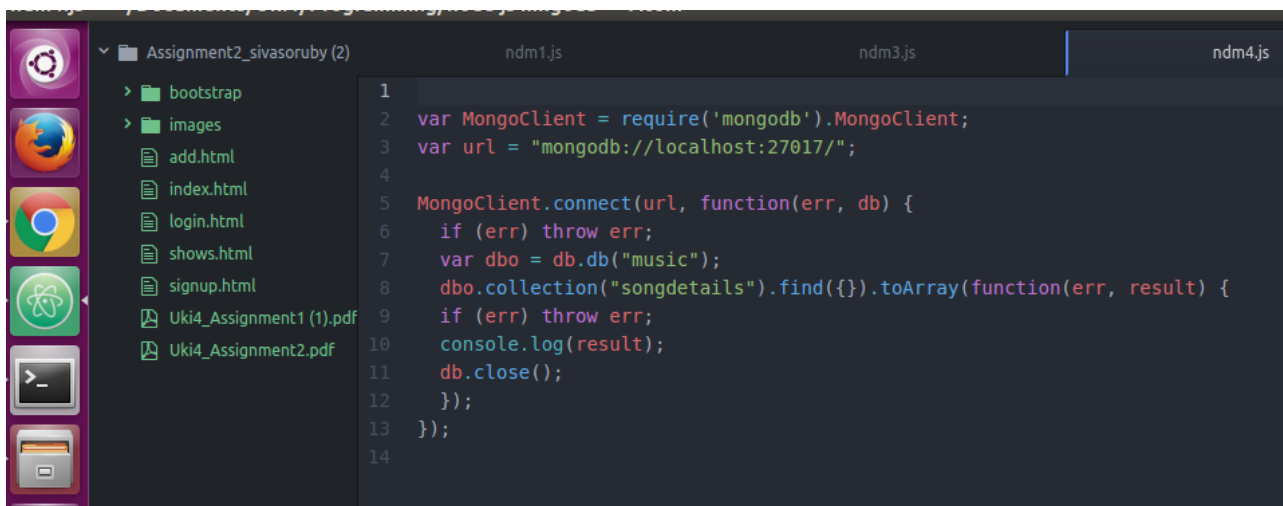
```
1   var MongoClient = require('mongodb').MongoClient;
2   var url = "mongodb://localhost:27017/";
3
4   MongoClient.connect(url, function(err, db) {
5     if (err) throw err;
6     var dbo = db.db("music");
7     var myobj = [
8     {
9
10        Songname : "Thaniye Thananthaniye",
11        flim : "Rhythm",
12        Musicdirector: "A.R.Rahman",
13      Singer : "Shankar mahadevan"
14    },
15    {
16        Songname : "Evano oruvan",
17        flim : "Alai payuthe",
18        Musicdirector : "A.R.Rahman",
19      Singer : "Swarnalatha"
20    },
21    {
22      Songname : "Roja poonthooddam",
23      flim : "Kannukkul nilavu",
24      Musicdirector: "Ilaiyaraja",
25      Singer: "unnikrishnan,Anuradha Sriram"
26    },
27    {
28      Songname : "Vennilave venilave vinnaithaandi",
29      flim : "Minsarak kanavu",
30      Musicdirector: "A.R.Rahman",
31      Singer: "Hariharan,Sadhana Sargam"
32    },
33    {
34      Songname: "Sollamal thottu chellum thendral",
35      flim: "Dheena",
36      Musicdirector: "Yuvan Shankar Raja",
37      Singer: "Hariharan"
38    }
39
40
41    ];
42
43    dbo.collection("songdetails").insertMany(myobj, function(err, res) {
44    if (err) throw err;
45    console.log("Number of documents inserted: " + res.insertedCount);
46    db.close();
47    });
48  });
49
```

```
npm WARN node js mngodb No ttcense Fteld.
ukistu03@ukipc03:~/Documents/Uki4/Programming/node js mngodb$ nodemon ndm3.js[nodemon] 1.18.9
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node ndm3.js`
(node:6662) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future versi
ption { useNewUrlParser: true } to MongoClient.connect.
Number of documents inserted: 5
[nodemon] clean exit - waiting for changes before restart
```

4) List all documents created.

Code: 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");

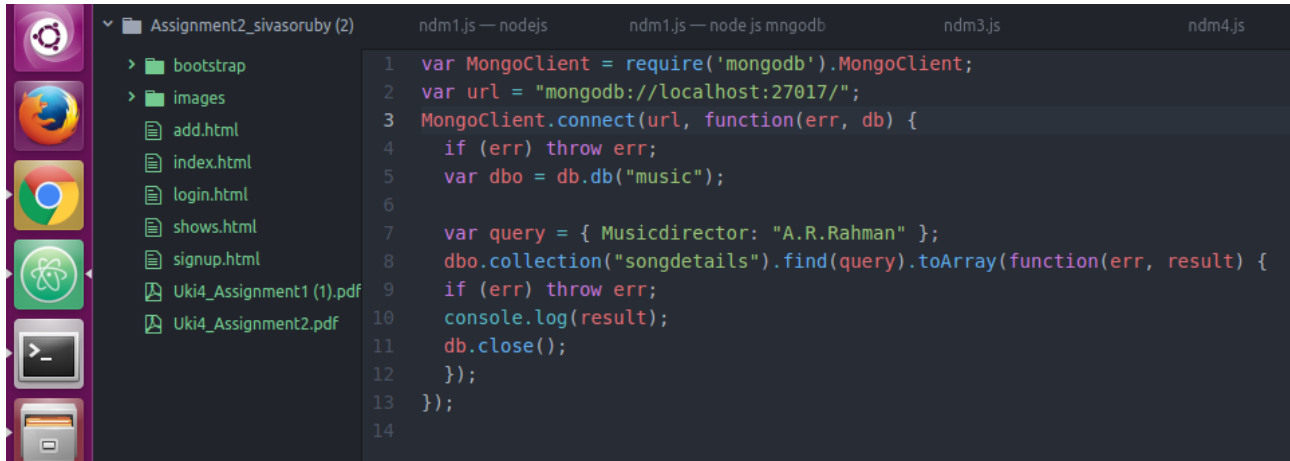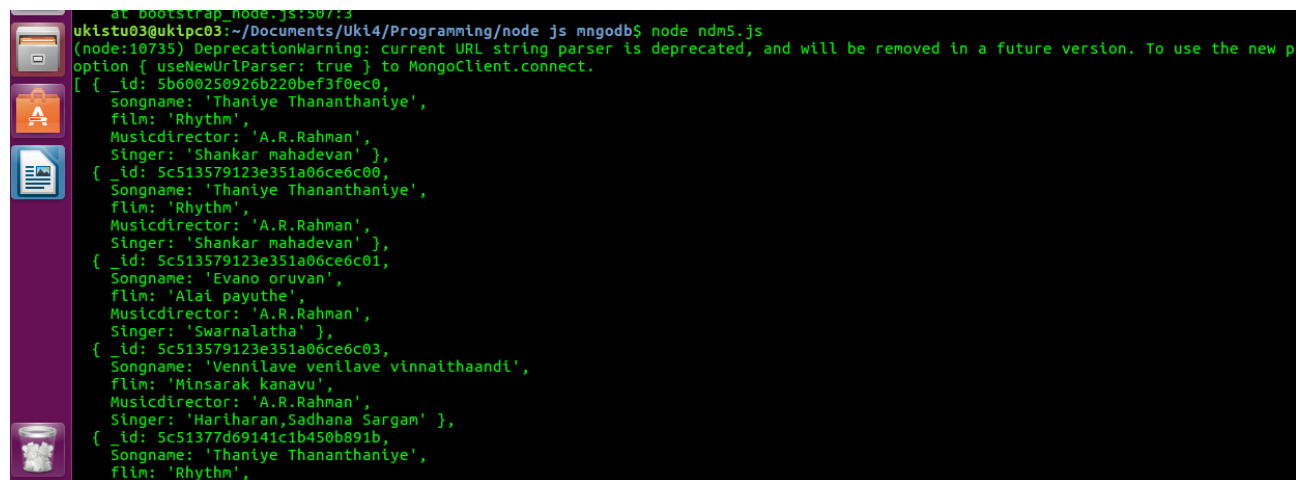 dbo.collection("songdetails").find({}).toArray(function(err, result) {

if (err) throw err;

console.log(result);

db.close();

 });

});

```
 Assignment2_sivasoruby (2)          ndm1.js              ndm3.js                          ndm4.js
  > bootstrap                1
  > images                   2   var MongoClient = require('mongodb').MongoClient;
  add.html                   3   var url = "mongodb://localhost:27017/";
  index.html                 4
  login.html                 5   MongoClient.connect(url, function(err, db) {
  shows.html                 6     if (err) throw err;
  signup.html                7     var dbo = db.db("music");
  Uki4_Assignment1 (1).pdf   8     dbo.collection("songdetails").find({}).toArray(function(err, result) {
  Uki4_Assignment2.pdf       9     if (err) throw err;
                            10     console.log(result);
                            11     db.close();
                            12     });
                            13   });
                            14
```

```
ukistu03@ukipc03: ~/Documents/Uki4/Programming/node js mngodb          ×          ukistu03@ukipc03: ~/Docum

Number of documents inserted: 5
[nodemon] clean exit - waiting for changes before restart
^Cukistu03@ukipc03:~/Documents/Uki4/Programming/node js mngodb$ nodemon ndm4.js
[nodemon] 1.18.9
[nodemon] to restart at any time, enter 'rs'
[nodemon] watching: *.*
[nodemon] starting `node ndm4.js`
(node:7143) 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 M
[ { _id: 5b600250926b220bef3f0ec0,
    songname: 'Thaniye Thananthaniye',
    film: 'Rhythm',
    Musicdirector: 'A.R.Rahman',
    Singer: 'Shankar mahadevan' },
  { _id: 5b600250926b220bef3f0ec1,
    songname: 'Evano Oruvan',
    film: 'Alai Payuthey',
    MusicDirector: 'A.R.Rahman',
    Singer: 'Swarnalatha' },
  { _id: 5b600250926b220bef3f0ec3,
    songname: 'Vennilavae Vennilavae Vinnaithaandi',
    film: 'Minsara Kanavu',
    MusicDirector: 'A.R.Rahman',
    Singer: 'Hariharan,Sadhana Sargam' },
  { _id: 5b600250926b220bef3f0ec4,
    songname: 'Sollamal Thottu Chellum Thendral',
    film: 'Dheena',
    MusicDirector: 'Yuvan Shankar Raja',
    Singer: 'Hariharan' },
  { _id: 5b600f58f721e211ec82a300,
    songname: 'Roja Poonthottam',
    film: 'Kannukkul Nilavu',
    MusicDirector: 'Ilaiyaraaja',
    Singer: 'Unnikrishnan,Anuradha Sriram' },
  { _id: 5c513579123e351a06ce6c00,
    Songname: 'Thaniye Thananthaniye',
    flim: 'Rhythm',
    Musicdirector: 'A.R.Rahman',
    Singer: 'Shankar mahadevan' },
  { _id: 5c513579123e351a06ce6c01,
    Songname: 'Evano oruvan',
    flim: 'Alai payuthe',
    Musicdirector: 'A.R.Rahman',
    Singer: 'Swarnalatha' },
  { _id: 5c513579123e351a06ce6c02,
    Songname: 'Roja poonthooddam',
    flim: 'Kannukkul nilavu',
    Musicdirector: 'Ilaiyaraja',
    Singer: 'unnikrishnan,Anuradha Sriram' },
  { _id: 5c513579123e351a06ce6c03,
    Songname: 'Vennilave venilave vinnaithaandi',
    flim: 'Minsarak kanavu',
    Musicdirector: 'A.R.Rahman',
    Singer: 'Hariharan,Sadhana Sargam' },
  { _id: 5c513579123e351a06ce6c04,
    Songname: 'Sollamal thottu chellum thendral',
    flim: 'Dheena',
    Musicdirector: 'Yuvan Shankar Raja',
    Singer: 'Hariharan' },
  { _id: 5c51377d69141c1b450b891b,
    Songname: 'Thaniye Thananthaniye',
    flim: 'Rhythm',
    Musicdirector: 'A.R.Rahman',
    Singer: 'Shankar mahadevan' },
  { _id: 5c51377d69141c1b450b891c,
    Songname: 'Evano oruvan',
    flim: 'Alai payuthe',
    Musicdirector: 'A.R.Rahman',
    Singer: 'Swarnalatha' },
  { _id: 5c51377d69141c1b450b891d,
    Songname: 'Roja poonthooddam',
    flim: 'Kannukkul nilavu',
```

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

Code: 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();

 });

});

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

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

var url = "mongodb://localhost:27017/";
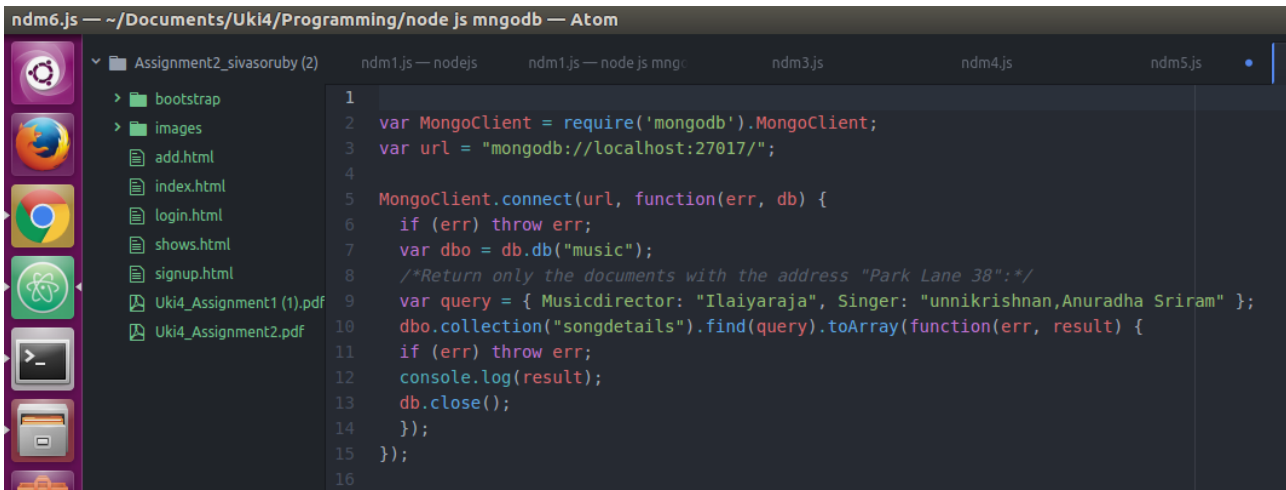
MongoClient.connect(url, function(err, db) {

 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,Anuradha Sriram" };

 dbo.collection("songdetails").find(query).toArray(function(err, result) {

if (err) throw err;

console.log(result);

db.close();

 });

```
});
```


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

Code: 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();
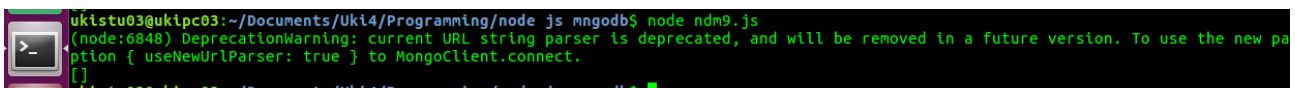 });
});

8) Add new song which is your favourite.

```
Code: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: "ammu kuttyee", flim: "jemikaneshanum surilirajan", Musicdirector:
"Ilaiyaraja", Singer: "Hariharan"};
 dbo.collection("songdetails").insertOne(myobj, function(err, res) {
if (err) throw err;
console.log("1 document inserted");
db.close();
 });
});
```

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


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) {
```

```javascript
    if (err) throw err;

    console.log(result);

    db.close();

  });

});
```



```javascript
1
2   var MongoClient = require('mongodb').MongoClient;
3   var url = "mongodb://localhost:27017/";
4
5   MongoClient.connect(url, function(err, db) {
6     if (err) throw err;
7     var dbo = db.db("music");
8     dbo.collection("songdetails").find({}, { _id:0,Singer:1,Songname:0, film:0,Musicdirector:0 }).toArray(function(err, result
9       if (err) throw err;
10       console.log(result);
11       db.close();
12     });
13   });
14
```