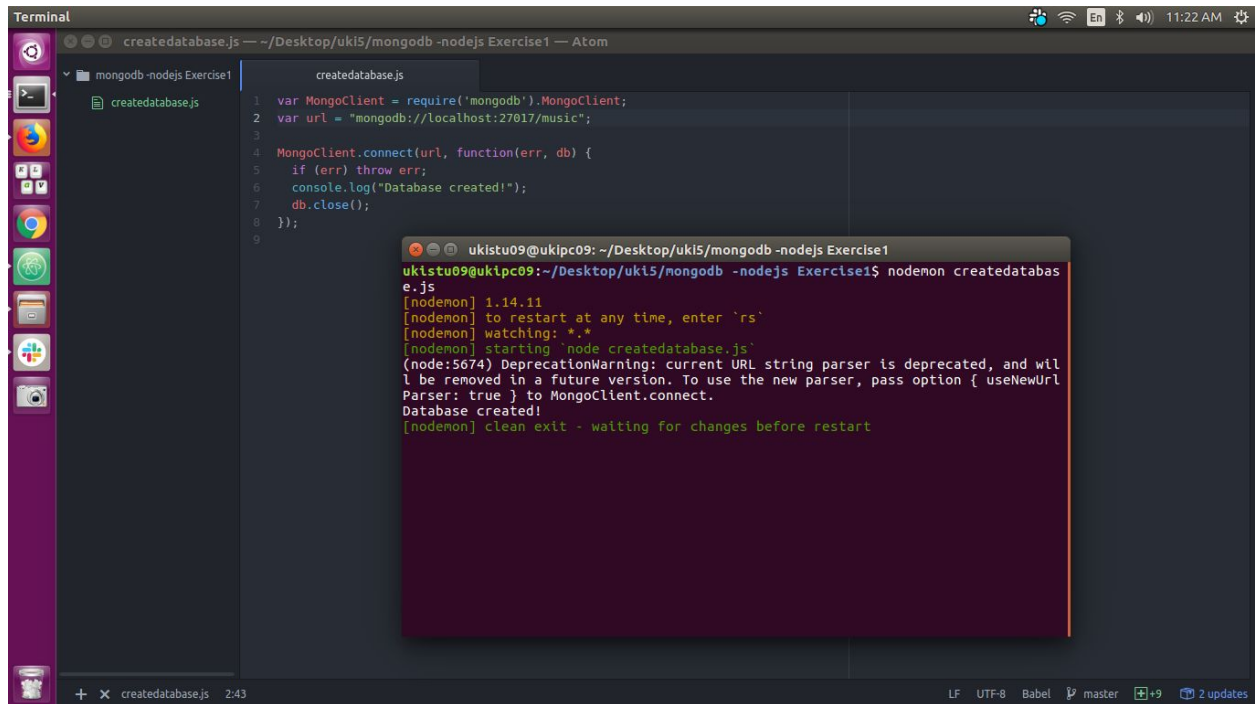


tharmini  
ukistu10

Ques1

Create a Database called music.



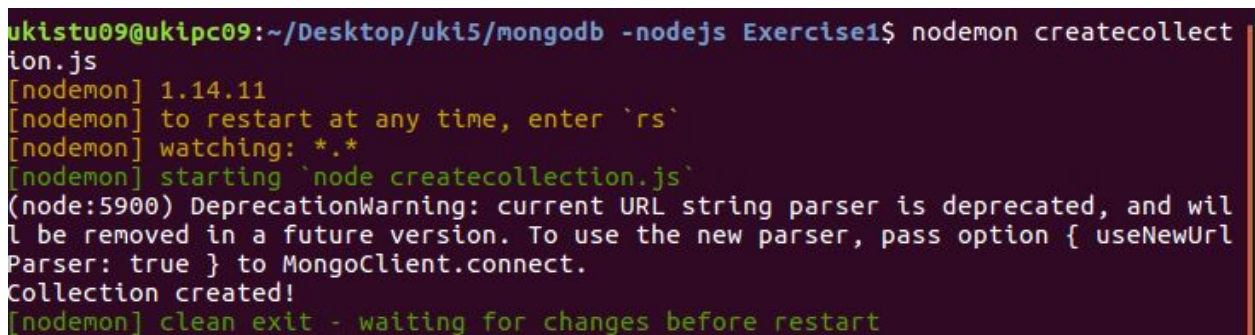
```
Terminal
createdatabase.js -- ~/Desktop/uki5/mongodb -nodejs Exercise1 -- Atom

mongodb -nodejs Exercise1
createdatabase.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

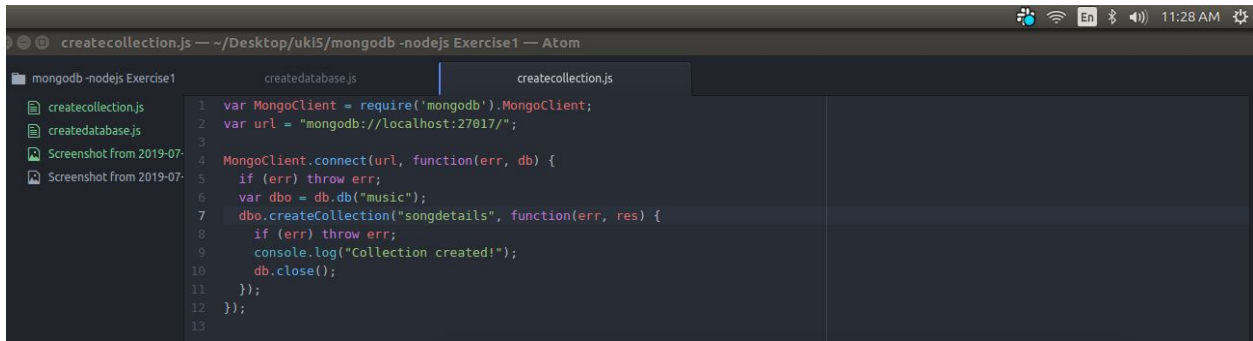
ukistu09@ukipc09: ~/Desktop/uki5/mongodb -nodejs Exercise1
ukistu09@ukipc09:~/Desktop/uki5/mongodb -nodejs Exercise1$ nodemon createdatabas
e.js
[nodemon] 1.14.11
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node createdatabase.js`
(node:5674) DeprecationWarning: 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
```

Ques2

Create a collection called songdetails.



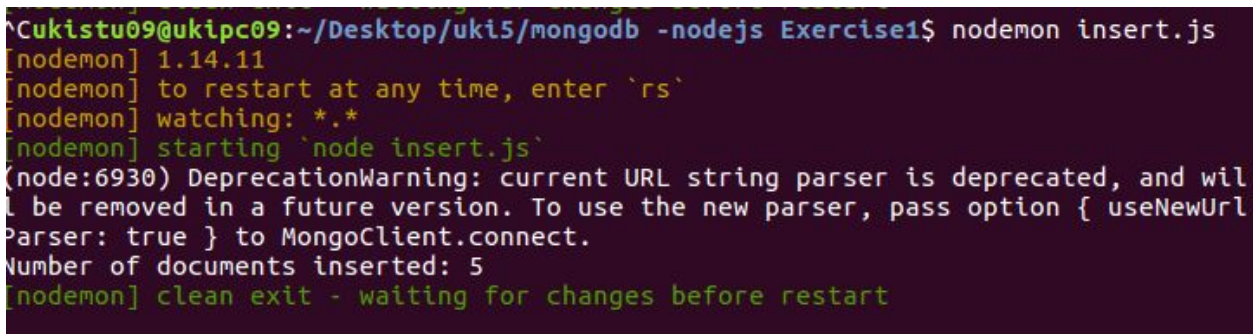
```
ukistu09@ukipc09:~/Desktop/uki5/mongodb -nodejs Exercise1$ nodemon createcollect
ion.js
[nodemon] 1.14.11
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node createcollection.js`
(node:5900) DeprecationWarning: current URL string parser is deprecated, and 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
```



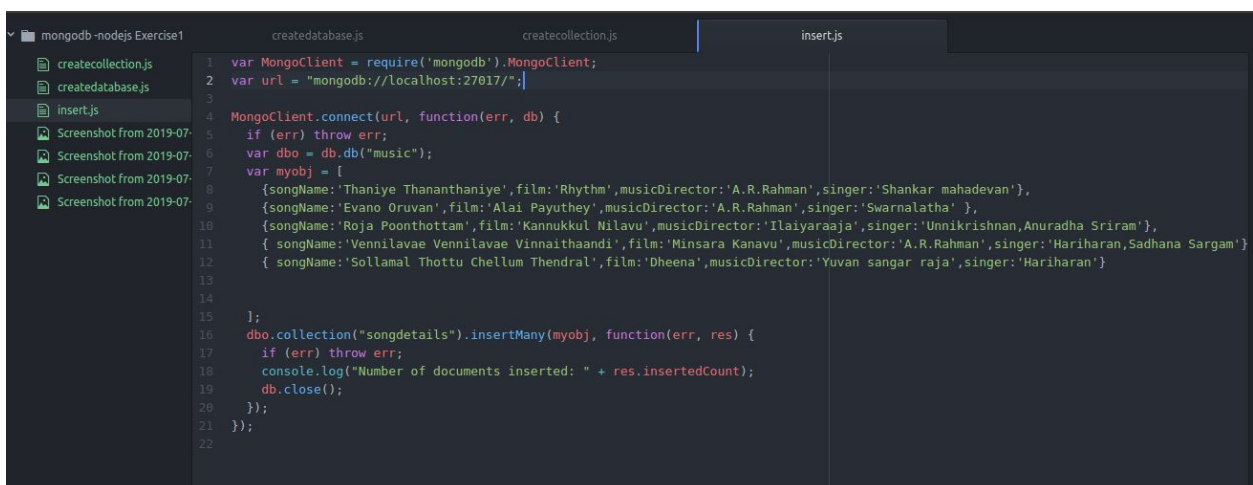
```
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   var dbo = db.db("music");
7   dbo.createCollection("songdetails", function(err, res) {
8     if (err) throw err;
9     console.log("Collection created!");
10    db.close();
11  });
12 });
13
```

### Ques3

Create the above 5 song documents.



```
^Cukistu09@ukipr09:~/Desktop/uki5/mongodb -nodejs Exercise1$ nodemon insert.js
[nodemon] 1.14.11
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node insert.js`
(node:6930) 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
```



```
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     {songName: 'Thaniye Thananthaniye', film: 'Rhythm', musicDirector: 'A.R.Rahman', singer: 'Shankar mahadevan'},
9     {songName: 'Evano Oruvan', film: 'Alai Payuthey', musicDirector: 'A.R.Rahman', singer: 'Swarnalatha' },
10    {songName: 'Raja Poonthottam', film: 'Kannukkul Nilavu', musicDirector: 'Ilaiyaraaja', singer: 'Unnikrishnan, Anuradha Sriram'},
11    { songName: 'Vennilavae Vennilavae Vinnaithaandi', film: 'Minsara Kanavu', musicDirector: 'A.R.Rahman', singer: 'Hariharan, Sadhana Sargam'},
12    { songName: 'Sollamal Thottu Chellum Thendral', film: 'Dheena', musicDirector: 'Yuvan sangar raja', singer: 'Hariharan'}
13  ];
14
15  dbo.collection("songdetails").insertMany(myobj, function(err, res) {
16    if (err) throw err;
17    console.log("Number of documents inserted: " + res.insertedCount);
18    db.close();
19  });
20 });
21
22
```

### Ques4

4) List all documents created.

```

uk1stu09@ukipc09:~/Desktop/uk15/mongodb -nodejs Exercise1$ nodemon find.js
[nodemon] 1.14.11
[nodemon] to restart at any time, enter 'rs'
[nodemon] watching: *.*
[nodemon] starting 'node find.js'
(node:7613) 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.
[ { _id: 5d24376da1b8f81da54c82c1,
  songName: 'Thaniye Thananthaniye',
  film: 'Rhythm',
  musicDirector: 'A.R.Rahman',
  singer: 'Shankar mahadevan' },
  { _id: 5d24376da1b8f81da54c82c2,
  songName: 'Evano Oruvan',
  film: 'Alai Payuthey',
  musicDirector: 'A.R.Rahman',
  singer: 'Swarnalatha' },
  { _id: 5d24376da1b8f81da54c82c3,
  songName: 'Roja Poonthottam',
  film: 'Kannukkul Nilavu',
  musicDirector: 'Ilaiyaraaja',
  singer: 'Unnikrishnan,Anuradha Sriram' },
  { _id: 5d24376da1b8f81da54c82c4,
  songName: 'Vennilavae Vennilavae Vinnaithaandi',
  film: 'Minsara Kanavu',
  musicDirector: 'A.R.Rahman',
  singer: 'Haritharan,Sadhana Sargam' },
  { _id: 5d24376da1b8f81da54c82c5,
  songName: 'Sollamal Thottu Chellum Thendral',
  film: 'Dheena',
  musicDirector: 'Yuvan sangar raja',
  singer: 'Haritharan' } ]
[nodemon] clean exit - waiting for changes before restart

```

| mongodb -nodejs Exercise1  | createdatabase.js | createcollection.js | insert.js   | find.js |
|--|-------------------|---------------------|---|---------|
| <ul style="list-style-type: none"> <li>createcollection.js</li> <li>createdatabase.js</li> <li>find.js</li> <li>insert.js</li> <li>Screenshot from 2019-07-</li> <li>Screenshot from 2019-07-</li> <li>Screenshot from 2019-07-</li> <li>Screenshot from 2019-07-</li> <li>Screenshot from 2019-07-</li> <li>Screenshot from 2019-07-</li> <li>Screenshot from 2019-07-</li> </ul> |                   |                     | <pre> 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   dbo.collection("songdetails").find({}).toArray(function(err, result) { 8     if (err) throw err; 9     console.log(result); 10    db.close(); 11  }); 12 }); 13 </pre> |         |

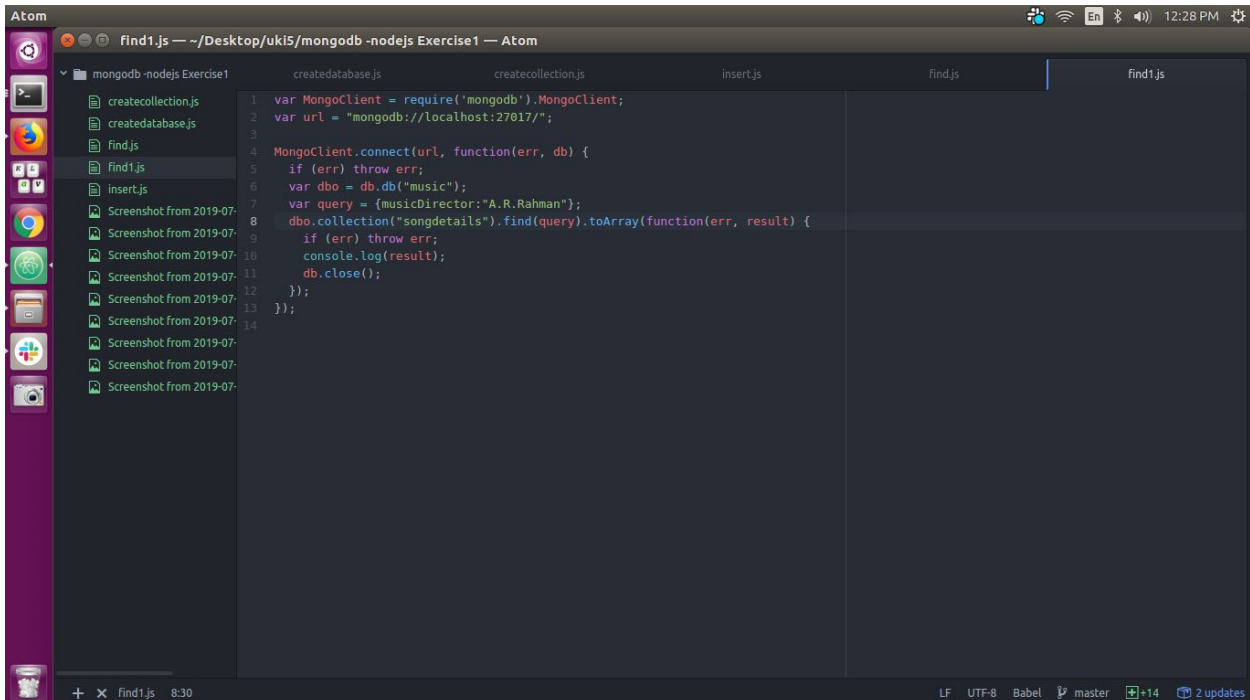
Ques5

List A.R.Rahman's songs.

```

uklitu09@uklitpc09:~/Desktop/uklit/mongodb -nodejs Exercise1$ nodemon find1.js
[nodemon] 1.14.11
[nodemon] to restart at any time, enter 'rs'
[nodemon] watching: *.*
[nodemon] starting 'node find1.js'
(node:8219) 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.
[ { _id: 5d24376da1b8f81da54c82c1,
  songName: 'Thaniye Thananthaniye',
  film: 'Rhythm',
  musicDirector: 'A.R.Rahman',
  singer: 'Shankar mahadevan' },
  { _id: 5d24376da1b8f81da54c82c2,
  songName: 'Evano Oruvan',
  film: 'Alai Payuthey',
  musicDirector: 'A.R.Rahman',
  singer: 'Swarnalatha' },
  { _id: 5d24376da1b8f81da54c82c4,
  songName: 'Vennilavae Vennilavae Vinnaithaandi',
  film: 'Minsara Kanavu',
  musicDirector: 'A.R.Rahman',
  singer: 'Hariharan,Sadhana Sargam' } ]
[nodemon] clean exit - waiting for changes before restart

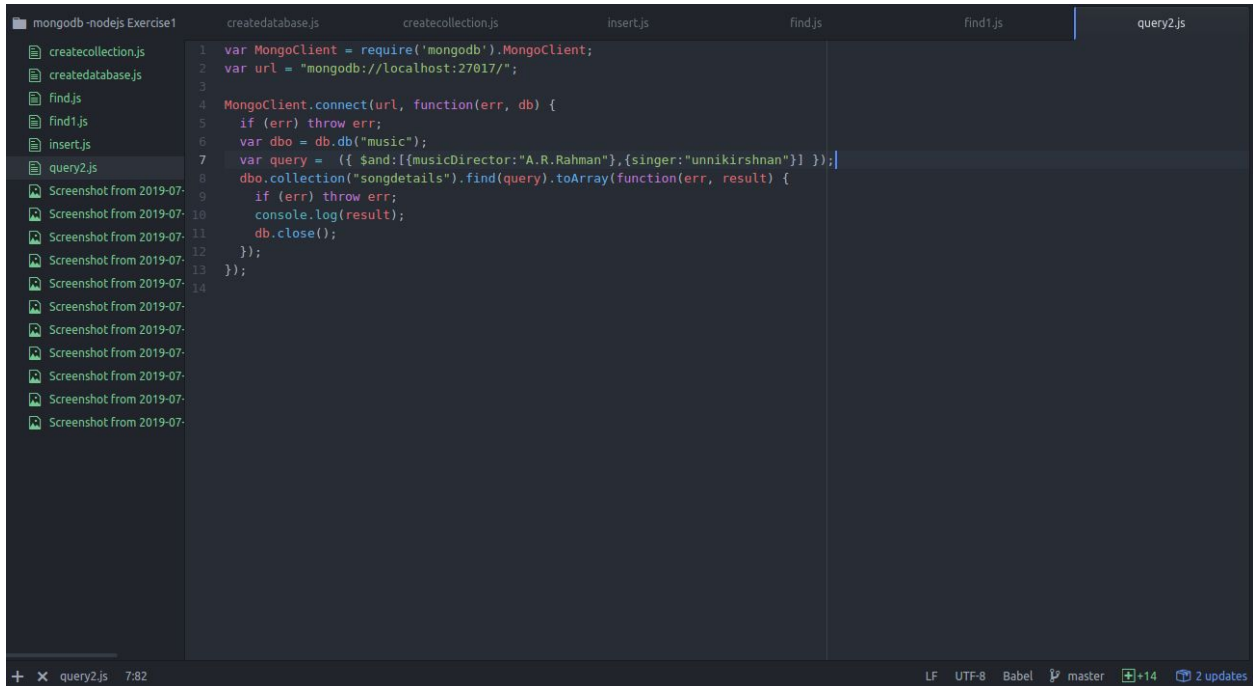
```



Ques6

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

```
uk1stuo9uk1pc09:~/Desktop/uk15/mongodb -nodejs Exercise1$ nodemon query2.js
[nodemon] 1.14.11
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting 'node query2.js'
(node:8463) 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
```



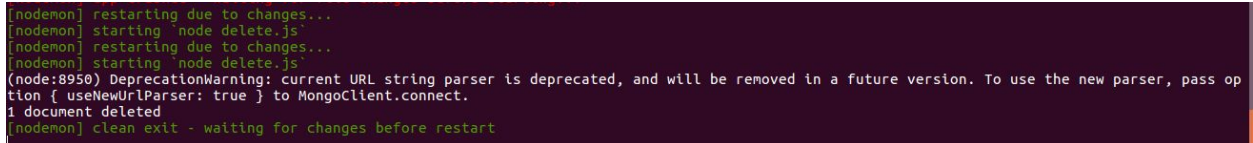
The screenshot shows a code editor with a sidebar on the left containing a file explorer for a project named 'mongodb-nodajs Exercise1'. The files listed are 'createcollection.js', 'createdatabase.js', 'find.js', 'find1.js', 'insert.js', 'query2.js', and several 'Screenshot from 2019-07-...' files. The main editor area displays the code for 'query2.js'.

```
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 query = ({ $and:[{musicDirector:"A.R.Rahman"},{singer:"unnikirshnan"}] });
8   dbo.collection("songdetails").find(query).toArray(function(err, result) {
9     if (err) throw err;
10    console.log(result);
11    db.close();
12  });
13 });
14
```

The status bar at the bottom indicates the file is 'query2.js', the cursor is at line 7, column 82, and the encoding is 'UTF-8'. It also shows 'Babel' as the transpiler, 'master' as the branch, and '+14' lines of code with '2 updates'.

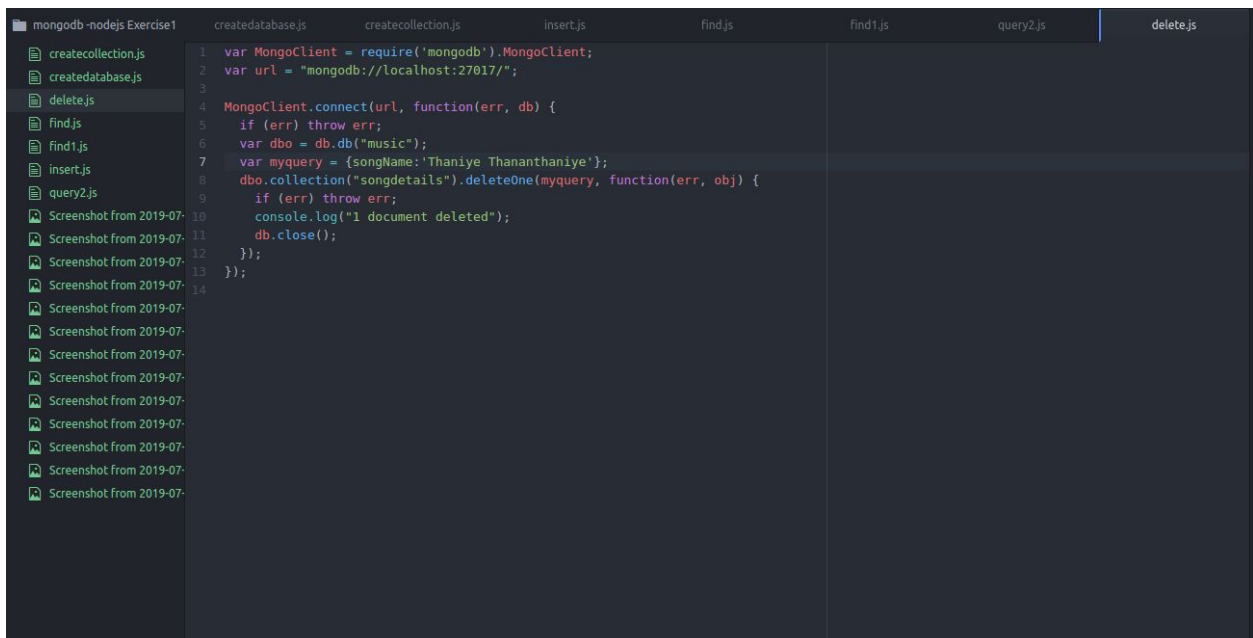
## Ques7

Delete the song which you don't like.



The screenshot shows a terminal window with the following output:

```
[nodemon] restarting due to changes...
[nodemon] starting 'node delete.js'
[nodemon] restarting due to changes...
[nodemon] starting 'node delete.js'
(node:8950) 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
```



The screenshot shows a code editor with a sidebar on the left containing a file explorer for a project named 'mongodb-nodajs Exercise1'. The files listed are 'createcollection.js', 'createdatabase.js', 'delete.js', 'find.js', 'find1.js', 'insert.js', 'query2.js', and several 'Screenshot from 2019-07-...' files. The main editor area displays the code for 'delete.js'.

```
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 myquery = {songName:'Thaniye Thananthaniye'};
8   dbo.collection("songdetails").deleteOne(myquery, function(err, obj) {
9     if (err) throw err;
10    console.log("1 document deleted");
11    db.close();
12  });
13 });
14
```

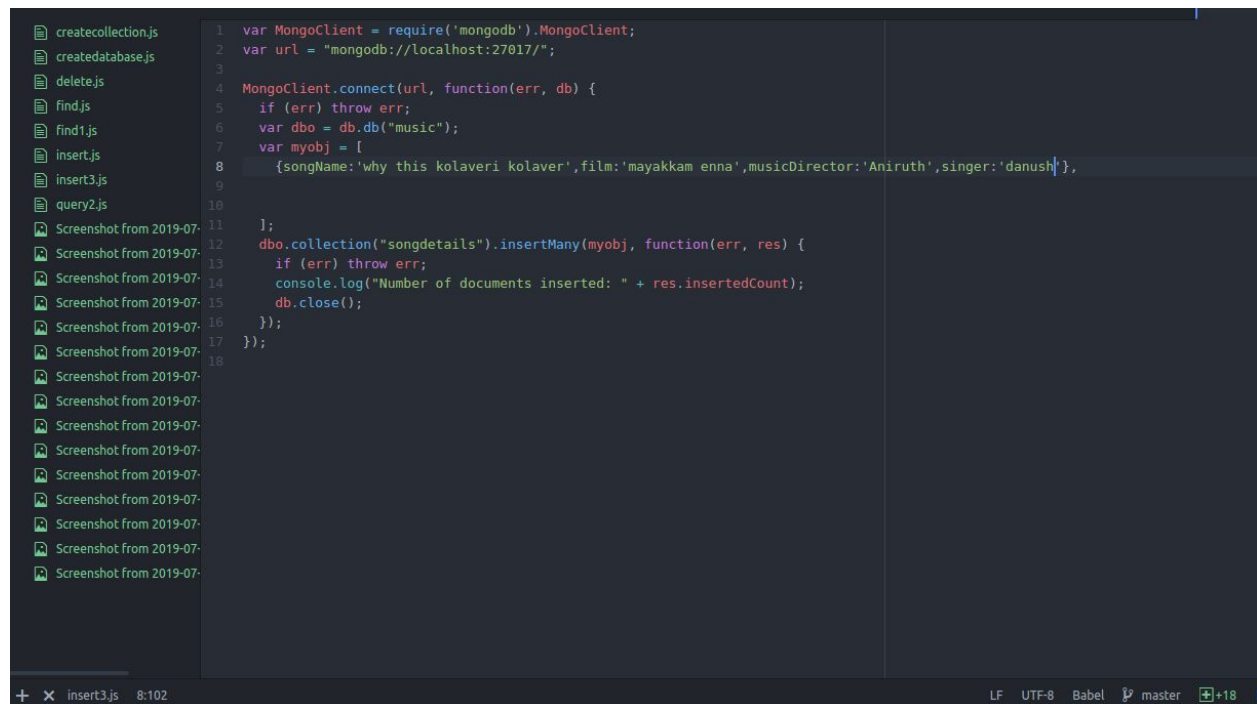
The status bar at the bottom indicates the file is 'delete.js', the cursor is at line 7, column 82, and the encoding is 'UTF-8'. It also shows 'Babel' as the transpiler, 'master' as the branch, and '+14' lines of code with '2 updates'.



## Ques8

Add new song which is your favourite

```
ukistu09@ukipc09:~/Desktop/uki5/mongodb -nodejs Exercise1$ nodemon insert3.js
[nodemon] 1.14.11
[nodemon] to restart at any time, enter 'rs'
[nodemon] watching: *.*
[nodemon] starting 'node insert3.js'
(node:9680) 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: 1
[nodemon] clean exit - waiting for changes before restart
```



```
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     {songName:'why this kolaveri kolaver',film:'mayakkam enna',musicDirector:'Aniruth',singer:'danush'},
9   ];
10
11   dbo.collection("songdetails").insertMany(myobj, function(err, res) {
12     if (err) throw err;
13     console.log("Number of documents inserted: " + res.insertedCount);
14     db.close();
15   });
16
17 });
18
```

## Ques9

List Songs sung by Hariharan from Minsara kanavu film.

```
ukistu09@ukipc09:~/Desktop/uki5/mongodb -nodejs Exercise1$ nodemon addsong.js
[nodemon] 1.14.11
[nodemon] to restart at any time, enter 'rs'
[nodemon] watching: *.*
[nodemon] starting 'node addsong.js'
(node:9848) 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
```

mongodb-nodejs Exercise1

addsong.js  
createcollection.js  
createdatabase.js  
delete.js  
find.js  
find1.js  
insert.js  
insert3.js  
query2.js  
Screenshot from 2019-07-  
Screenshot from 2019-07-  
Screenshot from 2019-07-  
Screenshot from 2019-07-  
Screenshot from 2019-07-  
Screenshot from 2019-07-  
Screenshot from 2019-07-  
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Screenshot from 2019-07-  
Screenshot from 2019-07-  
Screenshot from 2019-07-  
Screenshot from 2019-07-  
Screenshot from 2019-07-

createdatabase.js  
createcollection.js  
insert.js  
find.js  
find1.js  
query2.js  
delete.js  
insert3.js  
addsong.js

```
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 query = ({ $and:[{film:"Minsara Kanavu"},{singer:"Hariharan"}] });
8   dbo.collection("songdetails").find(query).toArray(function(err, result) {
9     if (err) throw err;
10    console.log(result);
11    db.close();
12  });
13  });
14 }
```

+ x addsong.js 13:4

LF UTF-8 Babel master +14 2 updates

## Ques10

List out the singers' names in your document.

```
uk1st09@uk1pc09:~/Desktop/uk15/mongodb -nodejs Exercise1$ ^C
uk1st09@uk1pc09:~/Desktop/uk15/mongodb -nodejs Exercise1$ nodemon listout.js
[nodemon] 1.14.11
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting 'node listout.js'
(node:10075) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass o
ption { useNewUrlParser: true } to MongoClient.connect.
[ { singer: 'Swarnalatha' },
  { singer: 'Unnikrishnan,Anuradha Sriram' },
  { singer: 'Hartharan,Sadhana Sargam' },
  { singer: 'Hartharan' },
  { singer: 'danush' },
  { singer: 'danush' } ]
[nodemon] clean exit - waiting for changes before restart
```

