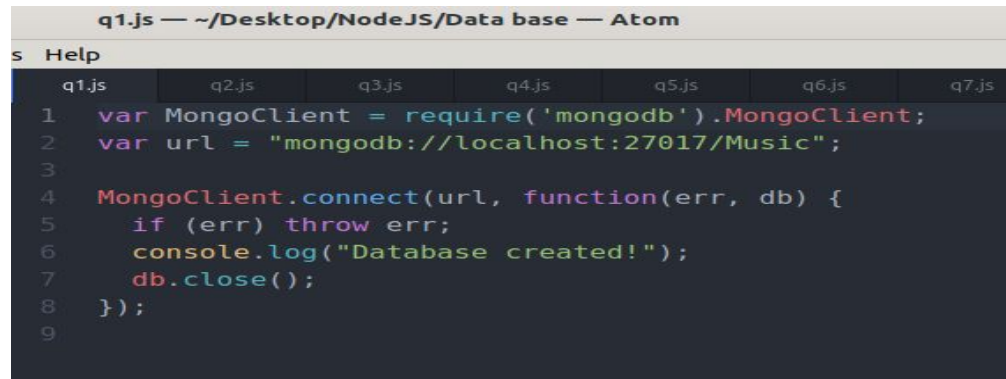


1) Create a Database called music.

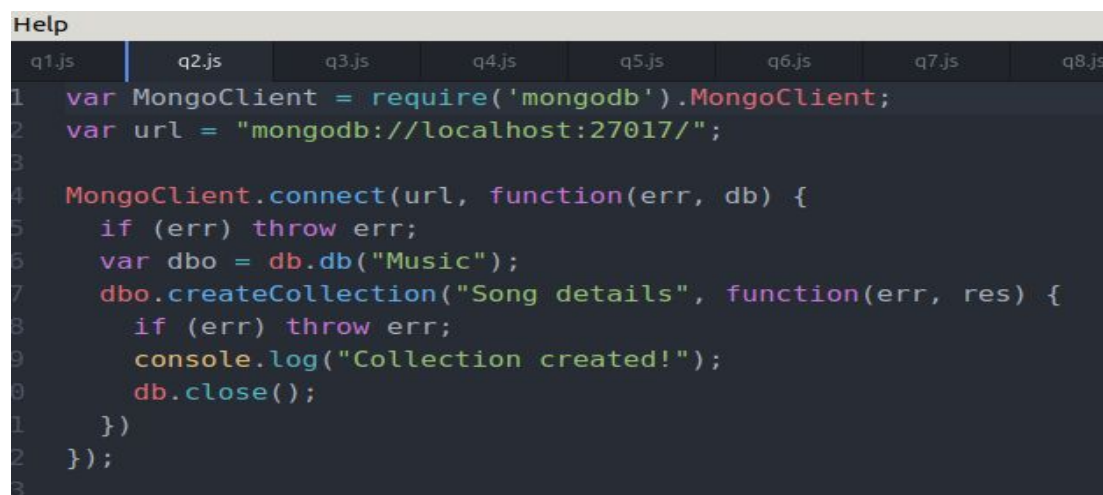
```
nithar@nithar-Inspiron-5570:~/Desktop/NodeJS/Data base$ node q1.js
(node:2310) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version.
To use the new Server Discovery and Monitoring engine, pass option {
  useUnifiedTopology: true } to the MongoClient constructor.
Database created!
```

A screenshot of the Atom text editor. The title bar shows 'q1.js — ~/Desktop/NodeJS/Data base — Atom'. The editor has a tab bar with tabs for q1.js through q7.js. The code in q1.js is as follows:

```
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.

```
nithar@nithar-Inspiron-5570:~/Desktop/NodeJS/Data base$ node q2.js
(node:3135) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the MongoClient constructor.
Collection created!
```

A screenshot of the Atom text editor. The title bar shows 'Help'. The editor has a tab bar with tabs for q1.js through q8.js. The code in q2.js is as follows:

```
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("Song details", 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.

```
q3.js q4.js package-lock.json Telemetry Consent
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 = {
    Song_Name: "Sollamal Thottum Chellum ", Film: "Dheena", Music_Director: "Yuvan Shankar Raja", Singer: "Hariharan"};

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

4) List all documents created.

```
q3.js q4.js package-lock.json
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("Song details").find({}).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

future version. To use the new Server Discover and MongoClient constructor.

```
[ { _id: 5e32b2896d09d16cef13d178,
  Song_Name: 'Thaniye Thananthaniye',
  Film: 'Rythm',
  Music_Director: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5e32b2cc81619b6d357d4a52,
  Song_Name: 'Evano Oruvan',
  Film: 'Alaipayuthey',
  Music_Director: 'A.R.Rahman',
  Singer: 'Swarnalaya' },
  { _id: 5e32b30c9d93376d831f77f0,
  Song_Name: 'Roja Poonthoddam',
  Film: 'Kannukkul Nilavu',
  Music_Director: 'Ilayaraya',
  Singer: '"Unnimirishnan","Anuradha_Sriram"' },
  { _id: 5e32b33c75f0cf6dd3759087,
  Song_Name: 'Vennilave Vennilave',
  Film: 'Minsarakanavu',
  Music_Director: 'A.R.Rahman',
  Singer: '"Hariharan ","Sadhana_Sargam"' },
  { _id: 5e32b3532983836e168ae8e4,
  Song_Name: 'Sollamal Thottum Chellum ',
  Film: 'Dheena',
  Music_Director: 'Yuvan Shankar Raja',
  Singer: 'Hariharan' } ]
```

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

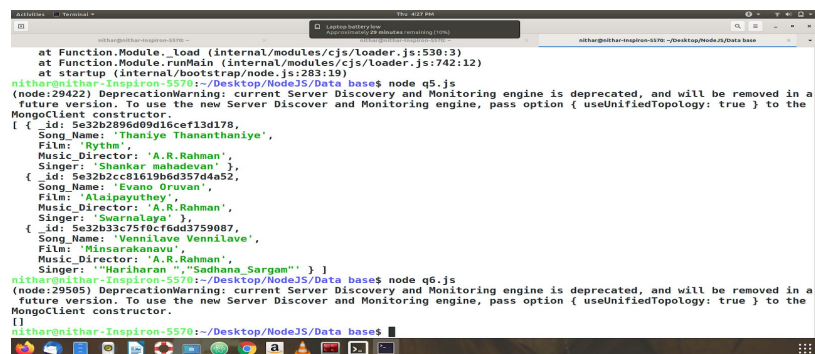
MongoClient constructor.

```
[ { _id: 5e32b2896d09d16cef13d178,
  Song_Name: 'Thaniye Thananthaniye',
  Film: 'Rythm',
  Music_Director: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5e32b2cc81619b6d357d4a52,
  Song_Name: 'Evano Oruvan',
  Film: 'Alaipayuthey',
  Music_Director: 'A.R.Rahman',
  Singer: 'Swarnalaya' },
  { _id: 5e32b33c75f0cf6dd3759087,
  Song_Name: 'Vennilave Vennilave',
  Film: 'Minsarakanavu',
  Music_Director: 'A.R.Rahman',
  Singer: '"Hariharan "',"Sadhana_Sargam"' } ]
```

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

```
q5.js | q6.js | q3.js
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 = {$and:[{ Music_Director:"A.R.Rahman"},{name:'Unikrishnan'}]};
  dbo.collection("Song_details").find(query).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```



```
at Function.Module.load (internal/modules/cjs/loader.js:530:3)
at Function.Module.runMain (internal/modules/cjs/loader.js:742:12)
at startup (internal/bootstrap/node.js:283:19)
nithar@nithar-Inspiron-5570:~/Desktop/NodeJS/Data base$ node q5.js
(node:29422) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a
future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the
MongoClient constructor.
[ { _id: 5e32b2896d09d16cef13d178,
  Song_Name: 'Thaniye Thananthaniye',
  Film: 'Rythm',
  Music_Director: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5e32b2cc81619b6d357d4a52,
  Song_Name: 'Evano Oruvan',
  Film: 'Alaipayuthey',
  Music_Director: 'A.R.Rahman',
  Singer: 'Swarnalaya' },
  { _id: 5e32b33c75f0cf6dd3759087,
  Song_Name: 'Vennilave Vennilave',
  Film: 'Minsarakanavu',
  Music_Director: 'A.R.Rahman',
  Singer: '"Hariharan "',"Sadhana_Sargam"' } ]
nithar@nithar-Inspiron-5570:~/Desktop/NodeJS/Data base$ node q6.js
(node:29505) DeprecationWarning: current Server Discovery and Monitoring engine is deprecated, and will be removed in a
future version. To use the new Server Discovery and Monitoring engine, pass option { useUnifiedTopology: true } to the
MongoClient constructor.
[]
nithar@nithar-Inspiron-5570:~/Desktop/NodeJS/Data base$
```



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

```
q5.js | q7.js | q3.js
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 = { Music_Director:"Yuvan Shankar Raja" };
  dbo.collection("Song details").deleteOne(myquery, function(err, obj) {
    if (err) throw err;
    console.log("1 document deleted");
    db.close();
  });
});
```

initial@initial-Inspiron-5  
(node:29630) Deprecation  
future version. To use  
MongoClient constructor.  
1 document deleted

8) Add new song which is your favourite.

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("Music");
  var myobj = { Song_Name: "Kathalikkathe Manase", Film: "Imaikkatha Nodikal",
  Music_Director:"A.R.Rahman", Singer:"G.V" };
  dbo.collection("Song details").insertOne(myobj, function(err, res) {
    if (err) throw err;
    console.log("1 document inserted");
    db.close();
  });
});
```

```
at startup (internal/bootstrap/
nithar@nithar-Inspiron-5570:~/Deskt
(node:29822) DeprecationWarning: cu
future version. To use the new Ser
MongoClient constructor.
1 document inserted
nithar@nithar-Inspiron-5570:~/Deskt
```

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 = {$and:[{ Film: "Minsarakanavu"},{Singer:"Hariharan"}]};
  dbo.collection("Song details").find(query).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

```
1 document inserted
nithar@nithar-Inspiron-5570:~/Desktop/N
(node:29913) DeprecationWarning: curren
future version. To use the new Server
MongoClient constructor.
[]
```

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

```
q5.js      q8.js      q10.js

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 = { Singer: "Hariharan" };
  dbo.collection("Song details").find(query).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});

Data.find({}, { _id : 1, serialno : 1 }, function (err, data) {
  if(err) { return handleError(res, err); }
  return res.json(200, data);
});
```