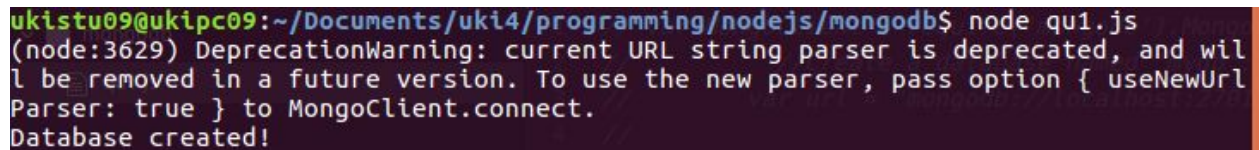


### 1) Create a Database called music.

```
code:var MongoClient = require('mongodb').MongoClient;
//Create a database named "mydb":
var url = "mongodb://localhost:27017/mydb";

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

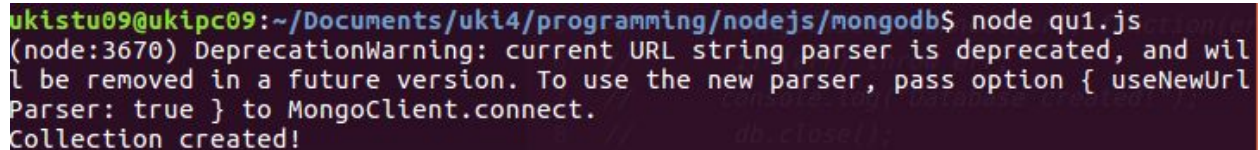
A terminal window with a dark background and light-colored text. It shows the command 'node qu1.js' being executed. The output includes a deprecation warning about the URL string parser and a confirmation message 'Database created!'.

```
ukistu09@ukipc09:~/Documents/uki4/programming/nodejs/mongodb$ node qu1.js
(node:3629) 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!
```

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

A terminal window with a dark background and light-colored text. It shows the command 'node qu1.js' being executed. The output includes a deprecation warning about the URL string parser and a confirmation message 'Collection created!'.

```
ukistu09@ukipc09:~/Documents/uki4/programming/nodejs/mongodb$ node qu1.js
(node:3670) 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!
```

### 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 vinnaitaandi",flim: "Minsarak kanavu",Musicdirector:
"A.R.Rahman",Singer:(["Hariharan","Sadhana Sargam"])
  },
  {
    Songname : "Sollamal thottu chellum thendral",film: "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();
});
});

```

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();
  });
});

```

```

ukistu09@ukipc09:~/Documents/uki4/programming/nodejs/mongodb$ node qui1.js
(node:3854) 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.
Songname: 'Roja poonthoddam', flim: 'Kannuk
Number of documents inserted: 5

```

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

```

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();
  });
});

```

```

ukistu09@ukipc09:~/Documents/uki4/programming/nodejs/mongodb$ node qui1.js
(node:3993) 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.
[ { _id: 5c5279c6ab5d800f0ece6841,
  Songname: 'Thaniye Thananthaniye',
  flim: 'Rhythm',
  Musicdirector: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5c5279c6ab5d800f0ece6842,
  Songname: 'Evano oruvan',
  flim: 'Ala! payuthe',
  Musicdirector: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
  { _id: 5c5279c6ab5d800f0ece6844,
  Songname: 'Vennilave venilave vinnathaandi',
  flim: 'Minsarak kanavu',
  Musicdirector: 'A.R.Rahman',
  Singer: 'Hariharan', 'Sadhana Sargam' } ]

```

## 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();
  });
});

```

```
});
```

```
ukistu09@ukipc09:~/Documents/ukl4/programming/nodejs/mongodb$ node qui1.js
(node:4080) 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.
[]
```

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

```
ukistu09@ukipc09:~/Documents/ukl4/programming/nodejs/mongodb$ node qui1.js
(node:4184) 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
```

## 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: "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();
  });
});
```

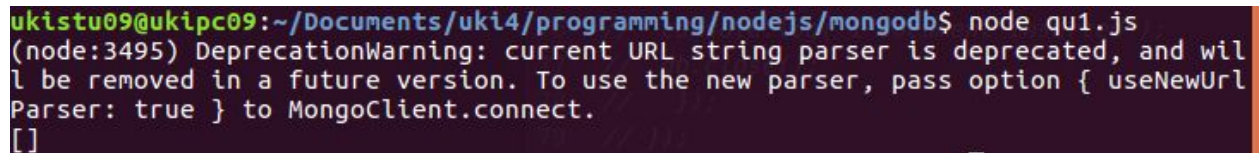
```
ukistu09@ukipc09:~/Documents/ukl4/programming/nodejs/mongodb$ node qui1.js
(node:3384) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass option { useNewUrlParser: true } to MongoClient.connect.
1 document inserted
```

### 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 = {film: "Minsarak kanavu", Singer: "Hariharan" };
  dbo.collection("songdetails").find(query).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```



```
ukistu09@ukipc09:~/Documents/uki4/programming/nodejs/mongodb$ node qu1.js
(node:3495) 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.
[]
```

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

```

uktstu09@uktlpc09:~/Documents/uktl4/programming/nodejs/mongodb$ node qui.js
(node:3566) 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.
[ { _id: 5c5279c6ab5d800f0ece6841, Songname: 'Thaniye Thananthaniye', flim: 'Rhythm', Musicdirector: 'A.R.Rahman', Singer: 'Shankar mahadevan' },
  { _id: 5c5279c6ab5d800f0ece6842, Songname: 'Evano oruvan', flim: 'Alai payuthe', Musicdirector: 'A.R.Rahman', Singer: 'Swarnalatha' },
  { _id: 5c5279c6ab5d800f0ece6843, Songname: 'Raja poonthooddam', flim: 'Kannukkul nilavu', Musicdirector: 'Ilaiyaraja', Singer: [ 'unnikrishnan', 'Anuradha Sriram' ] },
  { _id: 5c5279c6ab5d800f0ece6844, Songname: 'Vennilave venilave vinnaitaandi', flim: 'Minsarak kanavu', Musicdirector: 'A.R.Rahman', Singer: [ 'Hariharan', 'Sadhana Sargam' ] },
  { _id: 5c5279c6ab5d800f0ece6845, Songname: 'Sollamal thottu chellum thendral', flim: 'Dheena', Musicdirector: 'Yuvan Shankar Raja', Singer: 'Hariharan' },
  { _id: 5c529c079d8db00d38a331b5, Songname: 'Ammu kuttyee', flim: 'Jemthaneshanum surillirajan', Musicdirector: 'Ilaiyaraja', Singer: 'Hariharan' } ]

```