

1) how to delete all database in mongodb at a time?

```
nodejsWithMongodb.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   db.close();
7 });
8
```

```
ukistu03@ukipc03:~/Documents/uki3/backend/node-js/nodeWithMongodb$ nodemon nodejsWithMongodb.js
[nodemon] 1.18.3
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nodejsWithMongodb.js`
(node:5563) 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
```

```

>
> show dbs
Marks          0.0000GB
admin           0.0000GB
config          0.0000GB
customers       0.0000GB
exercise1       0.0000GB
local           0.0000GB
music           0.0000GB
mydb            0.0000GB
person          0.0000GB
student         0.0000GB
uki3            0.0000GB
>
>
>
```

2) Create a collection called song details.

```
nodejsWithMongodb.js  nodejsWithMongodb-collection.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   dbo.createCollection('songdetails', function(err,res) {
8     if(err) throw err;
9     db.close();
10  });
11 });
12
```

```

>
>
>
> show collections
songdetails
>
>
>
```

3) Create the above 5 song documents.

```
nodejsWithMongodb.js | nodejsWithMongodb-collection.js | nodejsWithMongodb-document.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 myobj = [
8     { song_name: "thaniye_thananthaniye", film: "rhythm", music_director: "A.R.Rahman", singer: "shankar_mahadevan"},
9     { song_name: "evano_oruvan", film: "alai_payuthey", music_director: "A.R.Rahman", singer: "swarnalatha"},
10    { song_name: "roja_poonthottam", film: "kannukkul_nilavu", music_director: "illaiyaraaja", singer: [ "unnikrishnan", "anuradha_sriram" ] },
11    { song_name: "vennilavae_vennilavae_vinnaithaandi", film: "minsara_kanavu", music_director: "A.R.Rahman", singer: ["hariharan", "sadhana_sargam"] },
12    { song_name: "sollamal_thottu_chellum_thendral", film: "dheena", music_director: "yuvan_shankar_raja", singer: "hariharan"}
13  ];
14  dbo.collection('songdetails').insertMany(myobj, function(err,res) {
15    if (err) throw err;
16    console.log("Number of documents inserted:" + res.insertedCount);
17    db.close();
18  });
19 });
20
```

4) List all documents created.

```
uk1stu03@uk1pc03:~/Documents/uki3/backend/node-js/nodeWithMongodb$ node nodejsWithMongodb-find.js
(node:14153) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. Use the newer URL class instead.
option { useNewUrlParser: true } to MongoClient.connect.
[ { _id: 5b58a3ef20761a1cd7776fd7,
  song_name: 'thaniye_thananthaniye',
  film: 'rhythm',
  music_director: 'A.R.Rahman',
  singer: 'shankar_mahadevan' },
  { _id: 5b58a3ef20761a1cd7776fd8,
  song_name: 'evano_oruvan',
  film: 'alai_payuthey',
  music_director: 'A.R.Rahman',
  singer: 'swarnalatha' },
  { _id: 5b58a3ef20761a1cd7776fd9,
  song_name: 'roja_poonthottam',
  film: 'kannukkul_nilavu',
  music_director: 'illaiyaraaja',
  singer: [ 'unnikrishnan', 'anuradha_sriram' ] },
  { _id: 5b58a3ef20761a1cd7776fda,
  song_name: 'vennilavae_vennilavae_vinnaithaandi',
  film: 'minsara_kanavu',
  music_director: 'A.R.Rahman',
  singer: [ 'hariharan', 'sadhana_sargam' ] },
  { _id: 5b58a3ef20761a1cd7776fdb,
  song_name: 'sollamal_thottu_chellum_thendral',
  film: 'dheena',
  music_director: 'yuvan_shankar_raja',
  singer: 'hariharan' },
  { _id: 5b58a63da3d2e21e4543ba4f,
  song_name: 'thaniye_thananthaniye',
  film: 'rhythm',
  music_director: 'A.R.Rahman',
  singer: 'shankar_mahadevan' },
  { _id: 5b58a63da3d2e21e4543ba50,
  song_name: 'evano_oruvan',
  film: 'alai_payuthey',
  music_director: 'A.R.Rahman',
  singer: 'swarnalatha' },
  { _id: 5b58a63da3d2e21e4543ba51,
  song_name: 'roja_poonthottam',
  film: 'kannukkul_nilavu',
  music_director: 'illaiyaraaja',
  singer: [ 'unnikrishnan', 'anuradha_sriram' ] },
```

```

nodejsWithMongodb-find.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   dbo.collection("songdetails").find({}).toArray(function(err, result) {
8     if (err) throw err;
9     console.log(result);
10    db.close();
11  });
12 });
13

```

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

```

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 = { music_director: "A.R.Rahman" };
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 } ukistu03@ukipc03:~/Documents/uki3/backend/node-js/nodeWithMongodb$ node n
(node:14925) DeprecationWarning: current URL string parser is deprecated,
option { useNewUrlParser: true } to MongoClient.connect.
[ { _id: 5b58a3ef20761a1cd7776fd7,
  song_name: 'thaniye_thananthaniye',
  film: 'rhythm',
  music_director: 'A.R.Rahman',
  singer: 'shankar_mahadevan' },
  { _id: 5b58a3ef20761a1cd7776fd8,
  song_name: 'evano_oruvan',
  film: 'alai_payuthey',
  music_director: 'A.R.Rahman',
  singer: 'swarnalatha' },
  { _id: 5b58a3ef20761a1cd7776fda,
  song_name: 'vennilavae_vennilavae_vinnaithaandi',
  film: 'minsara_kanavu',
  music_director: 'A.R.Rahman',
  singer: [ 'hariharan', 'sadhana_sargam' ] },
  { _id: 5b58a63da3d2e21e4543ba4f,
  song_name: 'thaniye_thananthaniye',
  film: 'rhythm',
  music_director: 'A.R.Rahman',
  singer: 'shankar_mahadevan' },
  { _id: 5b58a63da3d2e21e4543ba50,
  song_name: 'evano_oruvan',
  film: 'alai_payuthey',
  music_director: 'A.R.Rahman',
  singer: 'swarnalatha' },
  { _id: 5b58a63da3d2e21e4543ba52,
  song_name: 'vennilavae_vennilavae_vinnaithaandi',
  film: 'minsara_kanavu',
  music_director: 'A.R.Rahman',
  singer: [ 'hariharan', 'sadhana_sargam' ] },
  { _id: 5b58a9ec8da3c61fe21a6459,

```

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

```
nodejsWithMongodb-find.js  nodejsWithMongodb-Rahman.js  nodejsWithMongodb-unn.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 = { music_director: "A.R.Rahman", singer: "unnikrishnan" };
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
```

```
ukistu03@ukipc03:~/Documents/uki3/backend/node-js/nodeWithMongodb$ node nodejsWithMongodb-unn.js
(node:15136) DeprecationWarning: current URL string parser is deprecated, and will be removed in a
option { useNewUrlParser: true } to MongoClient.connect.
[]
ukistu03@ukipc03:~/Documents/uki3/backend/node-js/nodeWithMongodb$
```

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

```
nodejsWithMongodb-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 = { song_name: "thaniye_thananthaniye" };
8    dbo.collection("songdetails").deleteOne(myquery, function(err, obj) {
9      if (err) throw err;
10     db.close();
11   });
12 });
13
```

8) Add new song which is your favourite.

```
nodejsWithMongodb-find...  nodejsWithMongodb-Rah...  nodejsWithMongodb-unn...  nodejsWithMongodb-del...  untitled  nodejsWithM
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 = { song_name: 'mersal', film: 'mersal', music_director: "A.R.Rahman", singer
8    dbo.collection("songdetails").insertOne(myobj, function(err, res) {
9      if (err) throw err;
10     console.log("1 document inserted");
11     db.close();
12   });
13 });
14
```

```

}
{
  "_id" : ObjectId("5b592deed86f703d656b150f"),
  "song_name" : "mersal",
  "film" : "mersal",
  "music_director" : "A.R.Rahman",
  "singer" : "harish"
}
>

```

9) List Songs sung by Hariharan from Minsara kanavu film.

```

nodejsWithMongodb-hari.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 = { 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

```

```

ukistu03@ukipc03:~/Documents/uki3/backend/node-js/nodeWithMongodb$ node nodejsWithMongodb-hari.js
(node:3917) DeprecationWarning: current URL string parser is deprecated, and will be removed in a
option { useNewUrlParser: true } to MongoClient.connect.
[ { _id: 5b58a3ef20761a1cd7776fda,
  song_name: 'vennilavae_vennilavae_vinnaithaandi',
  film: 'minsara_kanavu',
  music_director: 'A.R.Rahman',
  singer: [ 'hariharan', 'sadhana_sargam' ] },
  { _id: 5b58a63da3d2e21e4543ba52,
  song_name: 'vennilavae_vennilavae_vinnaithaandi',
  film: 'minsara_kanavu',
  music_director: 'A.R.Rahman',
  singer: [ 'hariharan', 'sadhana_sargam' ] },
  { _id: 5b58a9ec8da3c61fe21a645c,
  song_name: 'vennilavae_vennilavae_vinnaithaandi',
  film: 'minsara_kanavu',
  music_director: 'A.R.Rahman',
  singer: [ 'hariharan', 'sadhana_sargam' ] } ]
ukistu03@ukipc03:~/Documents/uki3/backend/node-js/nodeWithMongodb$

```

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