

1) Create a Database called music .

```
ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2$ node create.js
Database created!
ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2$
```

```
create.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
```

2) Create a collection called songdetails .

```
create.js  qu_2.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.createCollection("songdetails", function(err, res) {
7     if (err) throw err;
8     console.log("Table created!");
9     db.close();
10  });
11 });
12
```

```
ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2$ node qu_2.js
Table created!
ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2$
```

3) Create the above 5 song documents.

```
create.js  qu_2.js  qu_3.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   var musicdetails = [
7     { Song_Name: 'Thaniye Thananthaniye', Film: 'Rhythm', Music_Director: 'A.R.Rahman', Singer: 'Shankar mahadevan'},
8     { Song_Name: 'Evano Oruvan', Film: 'Alai Payuthey', Music_Director: 'A.R.Rahman', Singer: 'Swarnalatha'},
9     { Song_Name: 'Roja Poonthottam', Film: 'Kannukkul Nilavu', Music_Director: 'Ilaiyaraaja', Singer: 'Unnikrishnan, Anuradha Sriram'},
10    { Song_Name: 'Vennilavae Vennilavae Vinnaithaandi', Film: 'Minsara Kanavu', Music_Director: 'A.R.Rahman', Singer: 'Hariharan Sadh'},
11    { Song_Name: 'Sollamal Thottu Chellum Thendral', Film: 'Dheena', Music_Director: 'Yuvan Shankar Raja', Singer: 'Hariharan'},
12  ];
13
14  db.collection("musicdetails").insert(musicdetails, function(err, res) {
15    if (err) throw err;
16    console.log("Number of records inserted: " + res.insertedCount);
17    db.close();
18  });
19 });
20
```

```
ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2$ node qu_3.js
Number of records inserted: 5
ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2$ Doc
```

4) List all documents created.

create.js	qu_2.js	qu_3.js	qu_4.js
<pre>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.collection("musicdetails").find({}).toArray(function(err, result) { 7 if (err) throw err; 8 console.log(result); 9 db.close(); 10 }); 11 }); 12</pre>			

```
kistui12@uklpc12:~/Documents/uki_exercises/node.js/in_ex_2$ node qu_4.js
[ { _id: 5934e177c42d8615e77e7f93,
  Song_Name: 'Thaniye Thananthaniye',
  Film: 'Rhythm',
  Music_Director: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5934e177c42d8615e77e7f94,
  Song_Name: 'Evano Oruvan',
  Film: 'Alai Payuthey',
  Music_Director: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
  { _id: 5934e177c42d8615e77e7f95,
  Song_Name: 'Roja Poonthottam',
  Film: 'Kannukkul Nilavu',
  Music_Director: 'Ilaiyaraaja',
  Singer: 'Unnikrishnan, Anuradha Sriram' },
  { _id: 5934e177c42d8615e77e7f96,
  Song_Name: 'Vennilavae Vennilavae Vinnaitaandi',
  Film: 'Minsara Kanavu',
  Music_Director: 'A.R.Rahman',
  Singer: 'Hariharan Sadhana Sargam' },
  { _id: 5934e177c42d8615e77e7f97,
  Song_Name: 'Sollamal Thottu Chellum Thendral',
  Film: 'Dheena',
  Music_Director: 'Yuvan Shankar Raja',
  Singer: 'Hariharan' } ]
```

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

qu_5.js	qu_3.js
<pre>1 var http = require('http'); 2 var MongoClient = require('mongodb').MongoClient; 3 var url = "mongodb://localhost:27017/music"; 4 5 MongoClient.connect(url, function(err, db) { 6 if (err) throw err; 7 var query = { Music_Director: 'A.R.Rahman' }; 8 db.collection("musicdetails").find(query).toArray(function(err, result) { 9 if (err) throw err; 10 console.log(result); 11 db.close(); 12 }); 13 }); 14</pre>	

```

ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2$ node qu_5.js
[ { _id: 5934e177c42d8615e77e7f93,
  Song_Name: 'Thaniye Thananthaniye',
  Film: 'Rhythm',
  Music_Director: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5934e177c42d8615e77e7f94,
  Song_Name: 'Evano Oruvan',
  Film: 'Alai Payuthey',
  Music_Director: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
  { _id: 5934e177c42d8615e77e7f96,
  Song_Name: 'Vennilavae Vennilavae Vinnaitaandi',
  Film: 'Minsara Kanavu',
  Music_Director: 'A.R.Rahman',
  Singer: 'Hariharan Sadhana Sargam' } ]

```

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

```

qu_5.js | qu_6.js | qu_3.js
1 var http = require('http');
2 var MongoClient = require('mongodb').MongoClient;
3 var url = "mongodb://localhost:27017/music";
4
5 MongoClient.connect(url, function(err, db) {
6   if (err) throw err;
7   var query = { Music_Director: 'A.R.Rahman', Singer: 'Unnikrishnan' };
8   db.collection("musicdetails").find(query).toArray(function(err, result) {
9     if (err) throw err;
10    console.log(result);
11    db.close();
12  });
13 });

```

```

ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2$ node qu_6.js
[]
ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2$

```

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

```

qu_7.js | qu_2.js
1 var http = require('http');
2 var MongoClient = require('mongodb').MongoClient;
3 var url = "mongodb://localhost:27017/music";
4
5 MongoClient.connect(url, function(err, db) {
6   if (err) throw err;
7   var myquery = { Film: 'Alai Payuthey' };
8   db.collection("musicdetails").remove(myquery, function(err, obj) {
9     if (err) throw err;
10    console.log(obj.result.n + " document(s) deleted");
11    db.close();
12  });
13 });
14

```

```

ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2$ node qu_7.js
1 document(s) deleted
ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2$

```

8) Add new song which is your favourite.

```
qu_8.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   var myobj = {Song_Name: 'Why this kolai very', Film: '3', Music_Director: 'A.R.Rahman', Singer: 'Shankar mahadevan'};
7   db.collection("musicdetails").insertOne(myobj, function(err, res) {
8     if (err) throw err;
9     console.log("1 record inserted");
10    db.close();
11  });
12 });
13
```

```
ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2$ node qu_8.js
1 record inserted
ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2$
```

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

```
qu_9.js
1 var http = require('http');
2 var MongoClient = require('mongodb').MongoClient;
3 var url = "mongodb://localhost:27017/music";
4
5 MongoClient.connect(url, function(err, db) {
6   if (err) throw err;
7   var query = { Film: 'Minsara Kanavu', Singer: 'Hariharan Sadhana Sargam' };
8   db.collection("musicdetails").find(query).toArray(function(err, result) {
9     if (err) throw err;
10    console.log(result);
11    db.close();
12  });
13 });
```

```
ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2$ node qu_9.js
[ { _id: 5934e177c42d8615e77e7f96,
  Song_Name: 'Vennilavae Vennilavae Vinnaitaandi',
  Film: 'Minsara Kanavu',
  Music_Director: 'A.R.Rahman',
  Singer: 'Hariharan Sadhana Sargam' } ]
ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2$
```

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

```
ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2/qu1$ node qu_10.js
[ { Singer: 'Shankar mahadevan' },
  { Singer: 'Unnikrishnan, Anuradha Sriram' },
  { Singer: 'Hariharan Sadhana Sargam' },
  { Singer: 'Hariharan' },
  { Singer: 'Shankar mahadevan' },
  { Singer: 'Shankar mahadevan' } ]
ukistu12@ukipc12:~/Documents/uki_exercises/node.js/in_ex_2/qu1$
```

qu_10.js

qu_9.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.collection("musicdetails").find({}, { Singer: 1, _id: 0 }).toArray(function(err, result) {
7     if (err) throw err;
8     console.log(result);
9     db.close();
10  });
11 });
12
```