

1.

```
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
```

```
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$ node e1.js
Database created!
```

3.

```
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
```

```
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$ node e2.js
Table created!
```

4.

```
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 songdetails = [
7     { songname: 'Thaniye Thananthaniye', film: 'Rhythm', musicdirector: 'A.R.Rahaman', singer: 'Shankar mahadevan'},
8     { songname: 'Evano Oruvan', film: 'Alai Payuthey', musicdirector: 'A.R.Rahman', singer: 'Swarnalatha'},
9     { songname: 'Roja Poonthottam', film: 'Kannukkul Nilavu', musicdirector: 'Ilaiyaraaja', singer: 'Unnikrishnan Anuradha Sriram'},
10    { songname: 'Vennilavae Vennilavae Vinnaihaandi', film: 'Minsara Kanavu', musicdirector: 'A.R.Rahman', singer: 'Hariharan Sadhana S'},
11    { songname: 'Sollamal Thottu Chellum Thendral', film: 'Dheena', musicdirector: 'Yuvan Shankar Raja', singer: 'Hariharan'}
12  ];
13  db.collection("songdetails").insert(songdetails, function(err, res) {
14    if (err) throw err;
15    console.log("Number of records inserted: " + res.insertedCount);
16    db.close();
17  });
18 });
19
```

```
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$ node e3.js
Number of records inserted: 5
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$
```

5.

```
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 = { musicdirectors: "A.R.Rahaman" };
8   db.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/uki_exercise/node.js$ node e4.js
[ { _id: 5937c9f1aed6ad1c495fc5b3,
  songname: 'Thaniye Thananthaniye',
  film: 'Rhythm',
  musicdirector: 'A.R.Rahaman',
  singer: 'Shankar mahadevan' },
  { _id: 5937cd9ab9713a1ed7f35cc8,
  songname: 'Thaniye Thananthaniye',
  film: 'Rhythm',
  musicdirector: 'A.R.Rahaman',
  singer: 'Shankar mahadevan' } ]
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$
```

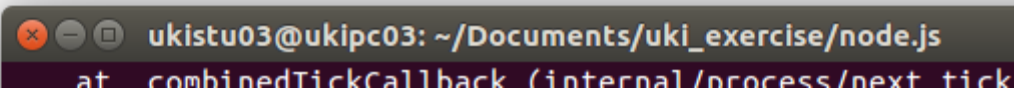
6.

```
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 = { musicdirector: "A.R.Rahman", singer: "Unnikrishnan Anuradha Sriram" };
8   db.collection("songdetails").find(query).toArray(function(err, result) {
9     if (err) throw err;
10    console.log(result);
11    db.close();
12  });
13 });
14
```

```
Singer: Shankar Mahadevan } ]
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$ node e5.js
[]
```

7.

```
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 = { songname: 'Thaniye Thananthaniye' };
8   db.collection("songdetails").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
```



```
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$ node e6.js
2 document(s) deleted
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$
```

8.

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var myobj = { songname: 'solla tan ninekkiran', film: 'mari', musicdirector: 'A.R.Rahaman', singer: 'Shankar mahadevan' };
  db.collection("songdetails").insertOne(myobj, function(err, res) {
    if (err) throw err;
    console.log("1 record inserted");
    db.close();
  });
});
```

```
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$ node e7.js
1 record inserted
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$
```

9.

```
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 = { singer: 'Hariharan', film: 'Minsara Kanavu' };
8   db.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/uki_exercise/node.js$ node e8.js  
[]  
ukistu03@ukipc03:~/Documents/uki_exercise/node.js$
```