

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 });
```

```
ukistu06@ukipc06:~/Documents/ukiex/Nodejs/nodeex$ node ex1_1.js
Database created!
```

2)

```
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 });
```

```
ukistu06@ukipc06:~/Documents/ukiex/Nodejs/nodeex$ node ex1_2.js
Table 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   var songdetails = [
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', Female_Singer : 'Anuradha Sriram'},
10    { Song_Name: 'Vennilavae Vennilavae Vinnaitaandi', Film : 'Minsara Kanavu', Music_Director : 'A.R.Rahman', Singer : 'Hariharan', Female_Singer : 'Sadhana Sargam'},
11    { Song_Name: 'Sollamal Thottu Chellum Thendral', Film : 'Dheena', Music_Director : '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
```

```
ukistu06@ukipc06:~/Documents/ukiex/Nodejs/nodeex$ node ex1_3.js
Number of records inserted: 5
```

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   db.collection("songdetails").find({}).toArray(function(err, result) {
7     if (err) throw err;
8     console.log(result);
9     db.close();
10  });
11 });
```

```
ukistu06@ukipc06:~/Documents/ukiex/Nodejs/nodeex$ node ex1_4.js
[ { _id: 5934e13ab3dc840f862d9313,
  Song_Name: 'Thaniye Thananthaniye',
  Film: 'Rhythm',
  Music_Director: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5934e13ab3dc840f862d9314,
  Song_Name: 'Evano Oruvan',
  Film: 'Alai Payuthey',
  Music_Director: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
  { _id: 5934e13ab3dc840f862d9315,
  Song_Name: 'Roja Poonthottam',
  Film: 'Kannukkul Nilavu',
  Music_Director: 'Ilaiyaraaja',
  Singer: 'Unnikrishnan',
  Female_Singer: 'Anuradha Sriram' },
  { _id: 5934e13ab3dc840f862d9316,
  Song_Name: 'Vennilavae Vennilavae Vinnaiyaandi',
  Film: 'Minsara Kanavu',
  Music_Director: 'A.R.Rahman',
  Singer: 'Hariharan',
  Female_Singer: 'Sadhana Sargam' },
  { _id: 5934e13ab3dc840f862d9317,
  Song_Name: 'Sollamal Thottu Chellum Thendral',
  Film: 'Dheena',
  Music_Director: 'Yuwan Shankar Raja',
  Singer: 'Hariharan' } ]
```

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 = { Music_Director: "A.R.Rahman" };
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
```

```
ukistu06@ukipc06:~/Documents/ukiex/Nodejs/nodeex$ node ex1_5.js
```

```
[ { _id: 5934e13ab3dc840f862d9313,
  Song_Name: 'Thaniye Thananthaniye',
  Film: 'Rhythm',
  Music_Director: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5934e13ab3dc840f862d9314,
  Song_Name: 'Evano Oruvan',
  Film: 'Alai Payuthey',
  Music_Director: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
  { _id: 5934e13ab3dc840f862d9316,
  Song_Name: 'Vennilavae Vennilavae Vinnaithaandi',
  Film: 'Minsara Kanavu',
  Music_Director: 'A.R.Rahman',
  Singer: 'Hariharan',
  Female_Singer: 'Sadhana Sargam' } ]
```

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 = { Music_Director: "A.R.Rahman", Singer : 'Unnikrishnan' };
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
```

```
ukistu06@ukipc06:~/Documents/ukiex/Nodejs/nodeex$ node ex1_6.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 = { Film : 'Alai Payuthey' };
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
```

```
ukistu06@ukipc06:~/Documents/ukiex/Nodejs/nodeex$ node ex1_7.js
1 document(s) deleted
ukistu06@ukipc06:~/Documents/ukiex/Nodejs/nodeex$ node ex1_4.js
[ { _id: 5934e13ab3dc840f862d9313,
  Song_Name: 'Thaniye Thananthaniye',
  Film: 'Rhythm',
  Music_Director: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5934e13ab3dc840f862d9315,
    Song_Name: 'Roja Poonthottam',
    Film: 'Kannukkul Nilavu',
    Music_Director: 'Ilaiyaraaja',
    Singer: 'Unnikrishnan',
    Female_Singer: 'Anuradha Sriram' },
  { _id: 5934e13ab3dc840f862d9316,
    Song_Name: 'Vennilavae Vennilavae Vinnaithaandi',
    Film: 'Minsara Kanavu',
    Music_Director: 'A.R.Rahman',
    Singer: 'Hariharan',
    Female_Singer: 'Sadhana Sargam' },
  { _id: 5934e13ab3dc840f862d9317,
    Song_Name: 'Sollamal Thottu Chellum Thendral',
    Film: 'Dheena',
    Music_Director: 'Yuvan Shankar Raja',
    Singer: 'Hariharan' } ]
```

8)

```
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: 'Evano Oruvan', Film : 'Alai Payuthey', Music_Director : 'A.R.Rahman', Singer : 'Swarnalatha' };
7   db.collection("songdetails").insertOne(myobj, function(err, res) {
8     if (err) throw err;
9     console.log("1 record inserted");
10    db.close();
11  });
12 });
13
```

```
ukistu06@ukipc06:~/Documents/ukiex/Nodejs/nodeex$ node ex1_8.js
1 record inserted
```

9)

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var query = { Film:"Minsara Kanavu",Singer:"Hariharan" };
  db.collection("songdetails").find(query).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

```
ukistu06@ukipc06:~/Documents/ukiex/Nodejs/nodeex$ node ex1_9.js
[ { _id: 5934e13ab3dc840f862d9316,
  Song_Name: 'Vennilavae Vennilavae Vinnaitaandi',
  Film: 'Minsara Kanavu',
  Music_Director: 'A.R.Rahman',
  Singer: 'Hariharan',
  Female_Singer: 'Sadhana Sargam' } ]
ukistu06@ukipc06:~/Documents/ukiex/Nodejs/nodeex$
```

10) >>?