1) Create a Database called music.

```
ukistu11@ukipc11:~/Documents/uki_exercises/fd$ node 1.1.js
Database created!
```

1.1.js

```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   });
```

2) Create a collection called songdetails.

```
ukistu11@ukipc11:~/Documents/uki_exercises/fd$ node 1.2.js
createCollection!
```

1.2.js

```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("createCollection!");
9        db.close();
10     });
11   });
12
```

3) Create the above 5 song documents.

CreateCollection!
ukistu11@ukipc11:~/Documents/uki_exercises/fd$ node 1.3.js
Number of records inserted: 5

```
1.3.js                    1.2.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    var myobj = [
7      { SongName: 'Thaniye Thananthaniye',Film : 'Rhythm',MusicDirector:'A.R.Rahman',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 Vinnaithaandi',Film : 'Minsara Kanavu',MusicDirector:'A.R.Rahman',Singer:'Hariharan Sadhana S
11     { SongName: 'Sollamal Thott Chellum Thendral',Film : 'Dheena',MusicDirector:'Yuvan Shankar Raja',Singer:'Hariharan'}
12
13   ];
14   db.collection("songdetails").insert(myobj, function(err, res) {
15     if (err) throw err;
16     console.log("Number of records inserted: " + res.insertedCount);
17     db.close();
18   });
19 });
```

4) List all documents created.

```
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 });
12
```

```
ukistu11@ukipc11:~/Documents/uki_exercises/fd
ukistu11@ukipc11:~/Documents/uki_exercises/fd$ node find.js
[ { _id: 5937ebf7b223b522dc568dba,
    SongName: 'Thaniye Thananthaniye',
    Film: 'Rhythm',
    MusicDirector: 'A.R.Rahman',
    Singer: 'Shankar mahadevan' },
  { _id: 5937ebf7b223b522dc568dbb,
    SongName: 'Evano Oruvan',
    Film: 'Alai Payuthey',
    MusicDirector: 'A.R.Rahman',
    Singer: 'Swarnalatha' },
  { _id: 5937ebf7b223b522dc568dbc,
    SongName: 'Roja Poonthottam',
    Film: 'Kannukkul Nilavu',
    MusicDirector: 'Ilaiyaraaja',
    Singer: 'Unnikrishnan, Anuradha Sriram' },
  { _id: 5937ebf7b223b522dc568dbd,
    SongName: 'Vennilavae Vennilavae Vinnaithaandi',
    Film: 'Minsara Kanavu',
    MusicDirector: 'A.R.Rahman',
    Singer: 'Hariharan Sadhana Sargam' },
  { _id: 5937ebf7b223b522dc568dbe,
    SongName: 'Sollamal Thott Chellum Thendral',
    Film: 'Dheena',
    MusicDirector: 'Yuvan Shankar Raja',
    Singer: 'Hariharan' } ]
ukistu11@ukipc11:~/Documents/uki_exercises/fd$
```

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

```
ukistu11@ukipc11:~/Documents/uki_exercises/fd$ node 1.5.js
[ { _id: 5937ebf7b223b522dc568dba,
    SongName: 'Thaniye Thananthaniye',
    Film: 'Rhythm',
    MusicDirector: 'A.R.Rahman',
    Singer: 'Shankar mahadevan' },
  { _id: 5937ebf7b223b522dc568dbb,
    SongName: 'Evano Oruvan',
    Film: 'Alai Payuthey',
    MusicDirector: 'A.R.Rahman',
    Singer: 'Swarnalatha' },
  { _id: 5937ebf7b223b522dc568dbd,
    SongName: 'Vennilavae Vennilavae Vinnaithaandi',
    Film: 'Minsara Kanavu',
    MusicDirector: 'A.R.Rahman',
    Singer: 'Hariharan Sadhana Sargam' } ]
ukistu11@ukipc11:~/Documents/uki_exercises/fd$
```

```javascript
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({MusicDirector:'A.R.Rahman'}).toArray(function(err, result) {
7       if (err) throw err;
8       console.log(result);
9       db.close();
10    });
11  });
12
```

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

```
        Singer: 'Hariharan Sadhana Sargam' } ]
ukistu11@ukipc11:~/Documents/uki_exercises/fd$ node 1.6.js
[]
ukistu11@ukipc11:~/Documents/uki_exercises/fd$
```

```javascript
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({MusicDirector:'A.R.Rahman',Singer:'Unnikrishnan, Anuradha Sriram'}).toArray(function(err, result) {
7       if (err) throw err;
8       console.log(result);
9       db.close();
10    });
11  });
12
```

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

```
ukistu11@ukipc11:~/Documents/uki_exercises/fd$ node 1.7.js
1 record updated
ukistu11@ukipc11:~/Documents/uki_exercises/fd$
```

```javascript
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 myquery = { Film : 'Rhythm' };
7     var newvalues = {$unset: { SongName: 'Thaniye Thananthaniye'} };
8     db.collection("songdetails").update(myquery, newvalues, function(err, res) {
9       if (err) throw err;
10      console.log(res.result.nModified + " record updated");
11      db.close();
12    });
13  });
14
```

8) Add new song which is your favourite.

```
ukistu11@ukipc11:~/Documents/uki_exercises/fd$ node 1.8.js
Number of records inserted: 1
ukistu11@ukipc11:~/Documents/uki_exercises/fd$
```

```javascript
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 = [
7       { SongName: 'Kathal Alivathillai',Film : 'Kuththu',MusicDirector:'P.Vijay',Singer:'Sinpu'},
8
9     ];
10    db.collection("songdetails").insert(myobj, function(err, res) {
11      if (err) throw err;
12      console.log("Number of records inserted: " + res.insertedCount);
13      db.close();
14    });
15  });
```

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

```
ukistu11@ukipc11:~/Documents/uki_exercises/fd$ node 1.9.js
[ { SongName: 'Vennilavae Vennilavae Vinnaithaandi' } ]
```

```
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({Film : 'Minsara Kanavu',Singer:'Hariharan Sadhana Sargam'},{SongName:1,_id:0}).toArray(function(err, result
7       if (err) throw err;
8       console.log(result);
9       db.close();
10    });
11  });
12  |
```

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

```
ukistu11@ukipc11:~/Documents/uki_exercises/fd$ node 1.10.js
[ { Singer: 'Shankar mahadevan' },
  { Singer: 'Swarnalatha' },
  { Singer: 'Unnikrishnan, Anuradha Sriram' },
  { Singer: 'Hariharan Sadhana Sargam' },
  { Singer: 'Hariharan' },
  { Singer: 'Sinpu' } ]
```

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