



```
ukistu03@uklpc03: ~/Desktop/nodejs/nodejs exercise2
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2$ node 1ex1q.js
(node:10524) 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.
Database created!
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2$
```

2) Create a collection called songdetails.

```
1ex2q.js -- ~/Desktop/nodejs/nodejs exercise2 -- Atom
Project
  nodejs exercise2
    1ex1q.js
    1ex2q.js

1ex2q.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      console.log("Collection created!");
10     db.close();
11   });
12 });
13
```

```
ukistu03@uklpc03: ~/Desktop/nodejs/nodejs exercise2
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2$ node 1ex2q.js
(node:10821) 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.
Collection created!
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2$
```

3) Create the above 5 song documents.

```
1exq3.js -- ~/Desktop/nodejs/nodejs exercise2 -- Atom
Project
  nodejs exercise2
    1ex1q.js
    1ex2q.js
    1ex3sample.js
    1exq3.js
1exq3.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 : "Raja Poonthottam", Film: "Kannukkul Nilavu", Music_Director: "Ilaiyaraaja", Singer: ["Unnikrishnan", "Alka Yagnik"]},
11
    {Song_Name : "Vennilavae Vennilavae Vinnaitaandi", Film: "Minsara Kanavu", Music_Director: "A.R.Rahman", Singer: ["Alka Yagnik", "Usha Sengupta"]},
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
```

```
ukistu03@uklpc03: ~/Desktop/nodejs/nodejs exercise2
Number of documents inserted: 14
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2$ clear

ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2$ node 1exq3.js
(node:13161) 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.
Number of documents inserted: 5
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2$ l
{
  "id": "ObjectID('5e2ea9059c77b13369e990d5')", "Song_Name": "Evaro pravan", "Film": "Alai Payuthey", "Music_Director": "A.R.Rahman", "Singer": [
    "Unnikrishnan", "Anuradha Sriram" ] },
  {
  "id": "ObjectID('5e2ea9059c77b13369e990d5')", "Song_Name": "Raja Poonthottam", "Film": "Kannukkul Nilavu", "Music_Director": "Ilaiyaraaja",
  "Singer": [ "Unnikrishnan", "Anuradha Sriram" ] },
  {
  "id": "ObjectID('5e2ea9059c77b13369e990d5')", "Song_Name": "Vennilavase Vennilavase Vinnaithaandi", "Film": "Minsara Kanavu", "Music_Director":
  "A.R.Rahman", "Singer": [ "Haritharan", "Sadhana Sargam" ] },
  {
  "id": "ObjectID('5e2ea9059c77b13369e990d5')", "Song_Name": "Sollamai Thottu Chellum Thendral", "Film": "Dheena", "Music_Director": "Yuvan
  Shankar Raja", "Singer": "Haritharan" }
}
```

4) List all documents created.

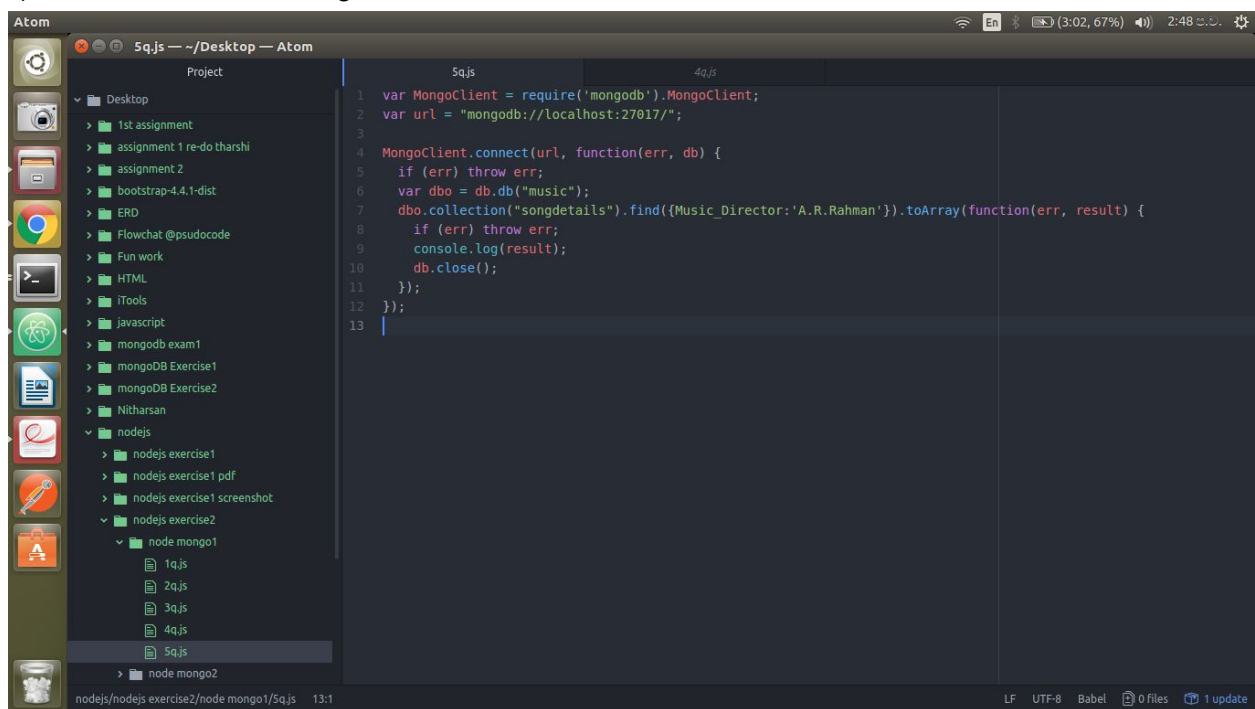
```
Atom
4q.js -- ~/Desktop -- Atom

Project
  Desktop
    1st assignment
    assignment 1 re-do tharshi
    assignment 2
    bootstrap-4.4.1-dist
    ERD
    Flowchat @psudocode
    Fun work
    HTML
    ITools
    javascript
    mongodb exam1
    mongoDB Exercise1
    mongoDB Exercise2
    Nitharsan
    nodejs
      nodejs exercise1
      nodejs exercise1 pdf
      nodejs exercise1 screenshot
      nodejs exercise2
        node mongo1
          1q.js
          2q.js
          3q.js
          4q.js
        node mongo2
      practical

4q.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
```

```
ukistu03@uklpc03: ~/Desktop/nodejs/nodejs exercise2/node mongo1
[ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$ sudo 4q.js
[sudo] password for ukistu03:
sudo: 4q.js: command not found
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$ node 4q.js
(node:4015) 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.
[ { _id: 5e2ea9059c7fb13369e99669,
  Song_Name: 'Thaniye Thananthaniye',
  Film: 'Rhythm',
  Music_Director: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5e2ea9059c7fb13369e9966a,
  Song_Name: 'Evano oruvan',
  Film: 'Alai Payuthey',
  Music_Director: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
  { _id: 5e2ea9059c7fb13369e9966b,
  Song_Name: 'Raja Poonthottam',
  Film: 'Kannukkul Nilavu',
  Music_Director: 'Ilaiyaraaja',
  Singer: [ 'Unnikrishnan', 'Anuradha Sriram' ] },
  { _id: 5e2ea9059c7fb13369e9966c,
  Song_Name: 'Vennilavae Vennilavae Vinnaithaandi',
  Film: 'Minsara Kanavu',
  Music_Director: 'A.R.Rahman',
  Singer: [ 'Haritharan', 'Sadhana sargam' ] },
  { _id: 5e2ea9059c7fb13369e9966d,
  Song_Name: 'Sollamal Thottu Chellum Thendral',
  Film: 'Dheena',
  Music_Director: 'Yuvan Shankar Raja',
  Singer: 'Haritharan' } ]
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$
```

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



```
5q.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({Music_Director:'A.R.Rahman'}).toArray(function(err, result) {
8     if (err) throw err;
9     console.log(result);
10    db.close();
11  });
12 });
13
```

```
ukistu03@uklpc03: ~/Desktop/nodejs/nodejs exercise2/node mongo1
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$ node 5q.js
(node:4446) 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.
[ { _id: 5e2ea9059c7fb13369e99669,
  Song_Name: 'Thanlye Thananthanlye',
  Film: 'Rhythm',
  Music_Director: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5e2ea9059c7fb13369e9966a,
  Song_Name: 'Evano oruvan',
  Film: 'Alai Payuthey',
  Music_Director: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
  { _id: 5e2ea9059c7fb13369e9966c,
  Song_Name: 'Vennilavae Vennilavae Vinnaitaandi',
  Film: 'Minsara Kanavu',
  Music_Director: 'A.R.Rahman',
  Singer: [ 'Hariharan', 'Sadhana sargam' ] } ]
```

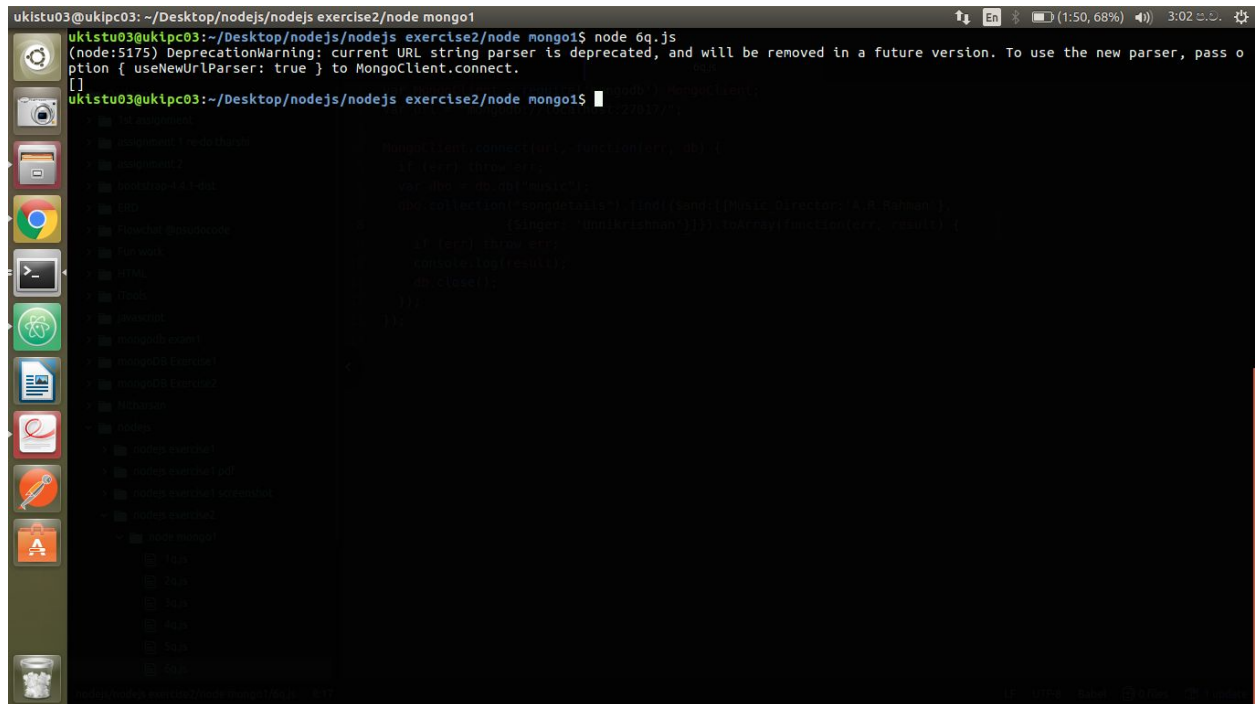
6) List A.R.Rahman's songs sung by Unnikrishnan.

```
Atom
6q.js -- ~/Desktop -- Atom
Project: Desktop
  1st assignment
  assignment 1 re-do tharshi
  assignment 2
  bootstrap-4.4.1-dist
  ERD
  Flowchat @psudocode
  Fun work
  HTML
  ITools
  javascript
  mongodb exam1
  mongoDB Exercise1
  mongoDB Exercise2
  Nitharsan
  nodejs
    nodejs exercise1
    nodejs exercise1.pdf
    nodejs exercise1 screenshot
    nodejs exercise2
      node mongo1
        1q.js
        2q.js
        3q.js
        4q.js
        5q.js
        6q.js

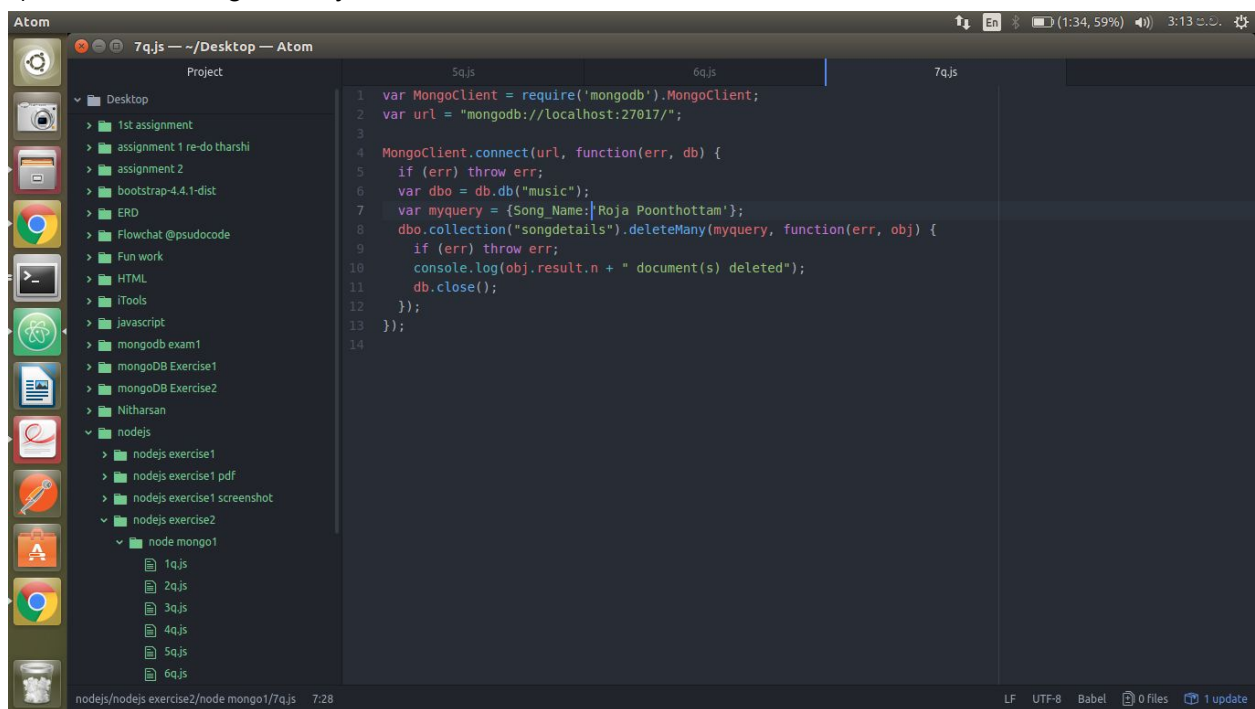
6q.js
1 var MongoClient = require('mongodb').MongoClient;
2 var url = "mongodb://localhost:27017/";
3
4 MongoClient.connect(url, function(err, db) {
5   if (err) throw err;
6   var dbo = db.db("music");
7   dbo.collection("songdetails").find({$and:[{Music_Director:'A.R.Rahman'},
8     {Singer: 'Unnikrishnan'}]}).toArray(function(err, result) {
9     if (err) throw err;
10    console.log(result);
11    db.close();
12  });
13 });
14
```



```
ukistu03@uklpc03: ~/Desktop/nodejs/nodejs exercise2/node mongo1
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$ node 6q.js
(node:5175) 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.
[]
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$
```



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



```
Atom
7q.js -- ~/Desktop -- Atom
Project
  Desktop
    1st assignment
    assignment 1 re-do tharshi
    assignment 2
    bootstrap-4.4.1-dist
    ERD
    Flowchat @psudocode
    Fun work
    HTML
    ITools
    Javascript
    mongodb exam1
    mongoDB Exercise1
    mongoDB Exercise2
    Nitharsan
    nodejs
      nodejs exercise1
      nodejs exercise1 pdf
      nodejs exercise1 screenshot
      nodejs exercise2
        node mongo1
          1q.js
          2q.js
          3q.js
          4q.js
          5q.js
          6q.js
          7q.js

5q.js 6q.js 7q.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: 'Roja Poonthottam'};
8   dbo.collection("songdetails").deleteMany(myquery, function(err, obj) {
9     if (err) throw err;
10    console.log(obj.result.n + " document(s) deleted");
11    db.close();
12  });
13 });
14
```

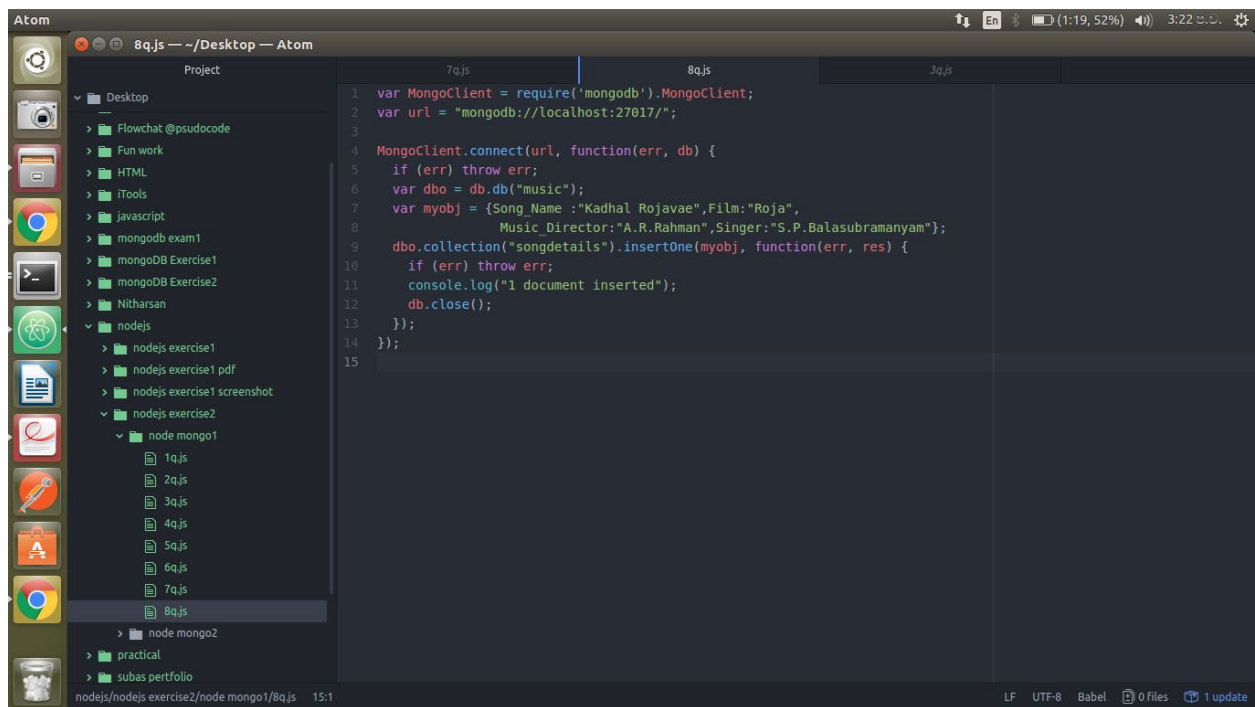
```
ukistu03@uklpc03: ~/Desktop/nodejs/nodejs exercise2/node mongo1
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$ clear

ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$ node 6q.js
(node:5175) 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.
[]

ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$ ^C
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$ node 7q.js
(node:5601) 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.
1 document(s) deleted

ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$ node 4q.js
(node:5674) 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.
[ { _id: 5e2ea9059c7fb13369e99669,
  Song_Name: 'Thaniye Thananthaniye',
  Film: 'Rhythm',
  Music_Director: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5e2ea9059c7fb13369e9966a,
  Song_Name: 'Evano oruvan',
  Film: 'Alai Payuthey',
  Music_Director: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
  { _id: 5e2ea9059c7fb13369e9966c,
  Song_Name: 'Vennilavae Vennilavae Vinnaithaandi',
  Film: 'Minsara Kanavu',
  Music_Director: 'A.R.Rahman',
  Singer: [ 'Hariharan', 'Sadhana sargam' ] },
  { _id: 5e2ea9059c7fb13369e9966d,
  Song_Name: 'Sollamal Thottu Chellum Thendral',
  Film: 'Dheena',
  Music_Director: 'Yuvan Shankar Raja',
  Singer: 'Hariharan' } ]
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$
```

8) Add new song which is your favourite.



```
Atom
8q.js -- ~/Desktop -- Atom

Project
  Desktop
    Flowchat@psudocode
    Fun work
    HTML
    ITools
    javascript
    mongodb exam1
    mongoDB Exercise1
    mongoDB Exercise2
    Nitharsan
    nodejs
      nodejs exercise1
      nodejs exercise1 pdf
      nodejs exercise1 screenshot
      nodejs exercise2
        node mongo1
          1q.js
          2q.js
          3q.js
          4q.js
          5q.js
          6q.js
          7q.js
          8q.js
        node mongo2
      practical
      subas portfolio

7q.js
8q.js
3q.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 = {Song_Name : "Kadhal Rojavae", Film: "Roja",
8               Music_Director: "A.R. Rahman", Singer: "S.P. Balasubramanyam"};
9   dbo.collection("songdetails").insertOne(myobj, function(err, res) {
10     if (err) throw err;
11     console.log("1 document inserted");
12     db.close();
13   });
14 });
15

LF UTF-8 Babel 0 files 1 update
```



```
ukistu03@uklpc03: ~/Desktop/nodejs/nodejs exercise2/node mongo1
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$ node 8q.js
(node:6429) 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.
1 document inserted
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$ node 4q.js
(node:6453) 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.
[ { _id: 5e2ea9059c7fb13369e99669,
  Song_Name: 'Thaniye Thananthaniye',
  Film: 'Rhythm',
  Music_Director: 'A.R.Rahman',
  Singer: 'Shankar mahadevan' },
  { _id: 5e2ea9059c7fb13369e9966a,
  Song_Name: 'Evano oruvan',
  Film: 'Alai Payuthey',
  Music_Director: 'A.R.Rahman',
  Singer: 'Swarnalatha' },
  { _id: 5e2ea9059c7fb13369e9966c,
  Song_Name: 'Vennilavae Vennilavae Vinnaithaandi',
  Film: 'Minsara Kanavu',
  Music_Director: 'A.R.Rahman',
  Singer: [ 'Hariharan', 'Sadhana sargam' ] },
  { _id: 5e2ea9059c7fb13369e9966d,
  Song_Name: 'Sollamal Thottu Chellum Thendral',
  Film: 'Dheena',
  Music_Director: 'Yuvan Shankar Raja',
  Singer: 'Hariharan' },
  { _id: 5e3155a84ae27b191d521fb8,
  Song_Name: 'Kadhal Rojave',
  Film: 'Roja',
  Music_Director: 'A.R.Rahman',
  Singer: 'S.P.Balasubramanyam' } ]
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$
```

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

```
Atom
9q.js -- ~/Desktop -- Atom
Project
  Desktop
    Flowchat @psudocode
    Fun work
    HTML
    ITools
    javascript
    mongodb exam1
    mongoDB Exercise1
    mongoDB Exercise2
    Nitharsan
    nodejs
      nodejs exercise1
      nodejs exercise1 pdf
      nodejs exercise1 screenshot
      nodejs exercise2
        node mongo1
          1q.js
          2q.js
          3q.js
          4q.js
          5q.js
          6q.js
          7q.js
          8q.js
          9q.js
        node mongo2
      practical
nodejs/nodejs exercise2/node mongo1/9q.js 14:1
LF UTF-8 Babel 0 files 1 update

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({$and:[{Film: 'Minsara Kanavu'},
8     {Singer: 'Hariharan'}]}).toArray(function(err, result) {
9     if (err) throw err;
10    console.log(result);
11    db.close();
12  });
13 });
14
```

```
ukistu03@uklpc03: ~/Desktop/nodejs/nodejs exercise2/node mongo1
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$ node 9q.js
(node:6628) 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.
[ { _id: 5e2ea9059c7fb13369e9966c, Song_Name: 'Vennilavae Vennilavae Vinnaithaandil', Film: 'Minsara Kanavu', Music_Director: 'A.R.Rahman', Singer: [ 'Hariharan', 'Sadhana sargam' ] } ]
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$
```

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

```
Atom
10q.js -- ~/Desktop -- Atom
Project
  Desktop
    Flowchat @psudocode
    Fun work
    HTML
    ITools
    javascript
    mongodb exam1
    mongoDB Exercise1
    mongoDB Exercise2
    Nitharsan
    nodejs
      nodejs exercise1
      nodejs exercise1.pdf
      nodejs exercise1 screenshot
      nodejs exercise2
        node mongo1
          1q.js
          2q.js
          3q.js
          4q.js
          5q.js
          6q.js
          7q.js
          8q.js
          9q.js
          10q.js
        node mongo2
  nodejs/nodejs exercise2/node mongo1/10q.js 13:1
  LF UTF-8 Babel 0 files 1 update

7q.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({}, { projection: { _id:0,Singer:1 } }).toArray(function(err, result) {
8     if (err) throw err;
9     console.log(result);
10    db.close();
11  });
12 });
13
```

```
ukistu03@uklpc03: ~/Desktop/nodejs/nodejs exercise2/node mongo1
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$ node 10q.js
(node:7008) 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.
[ { Singer: 'Shankar mahadevan' },
  { Singer: 'Swarnalatha' },
  { Singer: [ 'Hariharan', 'Sadhana sargam' ] },
  { Singer: 'Hariharan' },
  { Singer: 'S.P.Balasubramanyam' } ]
ukistu03@uklpc03:~/Desktop/nodejs/nodejs exercise2/node mongo1$
```