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 Vinnaithaandi', 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 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' } ]
```

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 Vinnaithaandi',
    Film: 'Minsara Kanavu',
    Music_Director: 'A.R.Rahman',
    Singer: 'Hariharan',
    Female_Singer: 'Sadhana Sargam' } ]
ukistu06@ukipc06:~/Documents/ukiex/Nodejs/nodeex$
```

10)

```
ukistu06@ukipc06:~/Documents/ukiex/Nodejs/inclass_ex$ node ex1_10.js
[ { Singer: 'Shankar mahadevan' },
  { Singer: 'Unnikrishnan' },
  { Singer: 'Hariharan' },
  { Singer: 'Hariharan' },
  { Singer: 'Swarnalatha' } ]
```

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