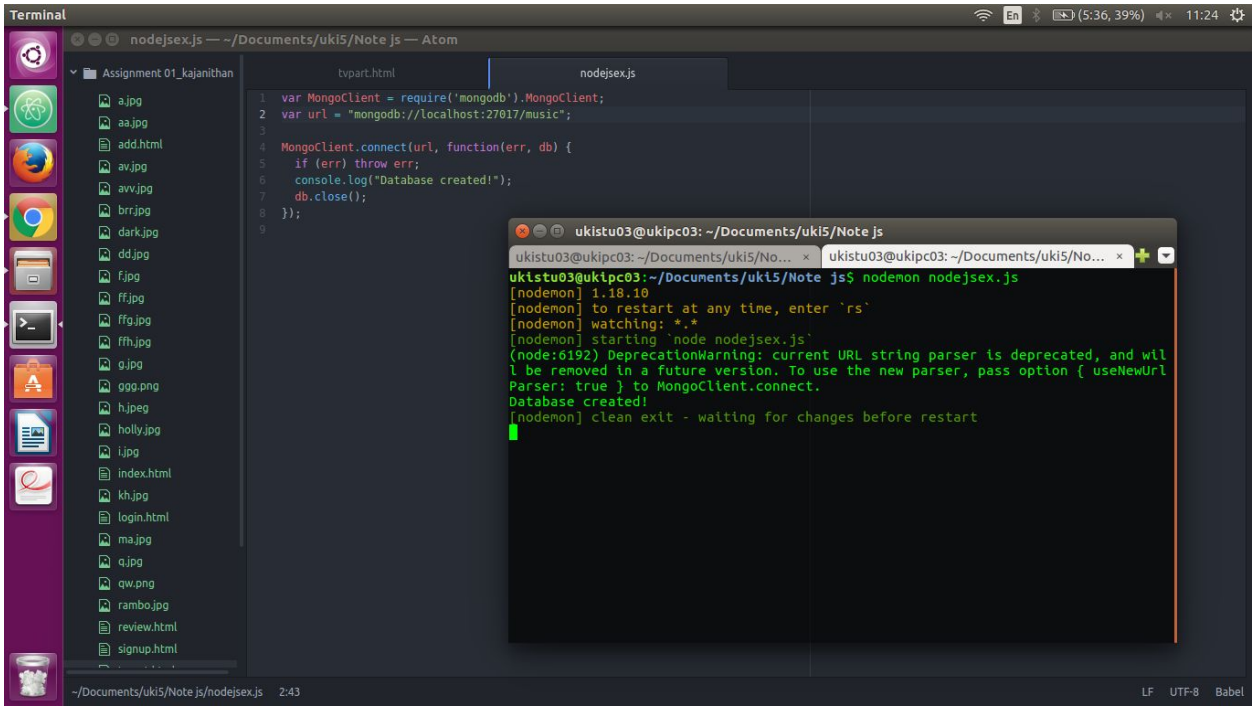
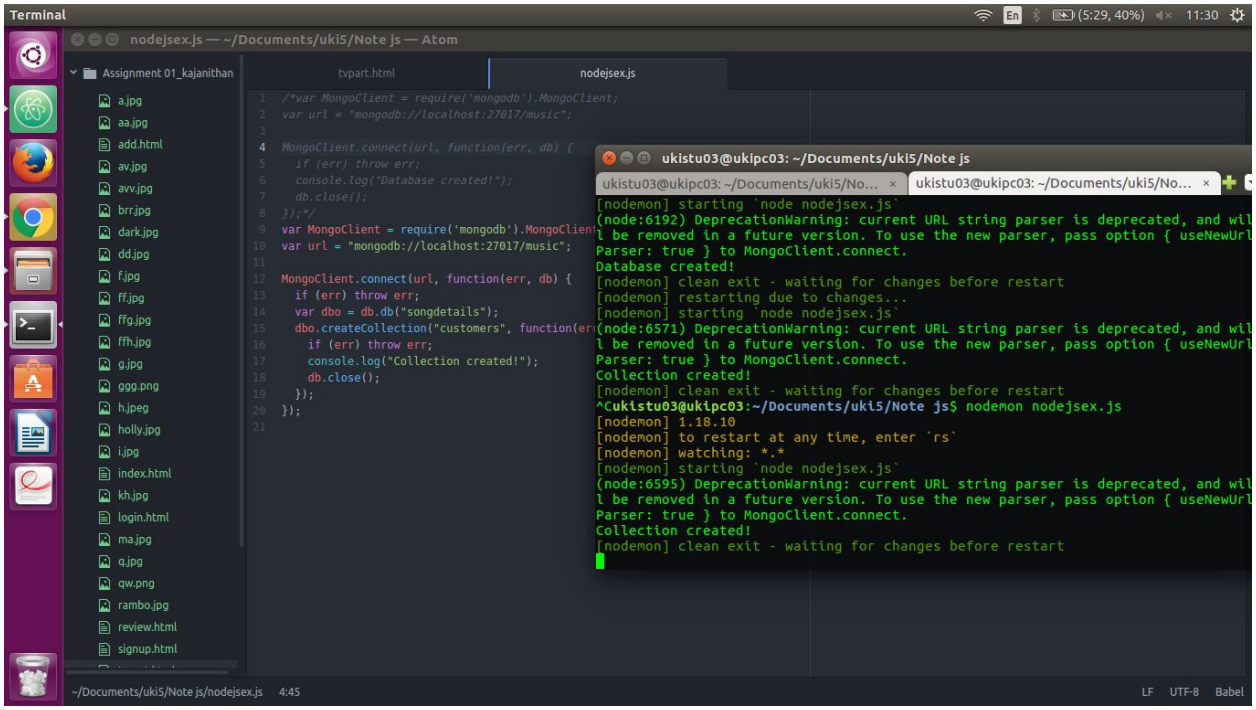
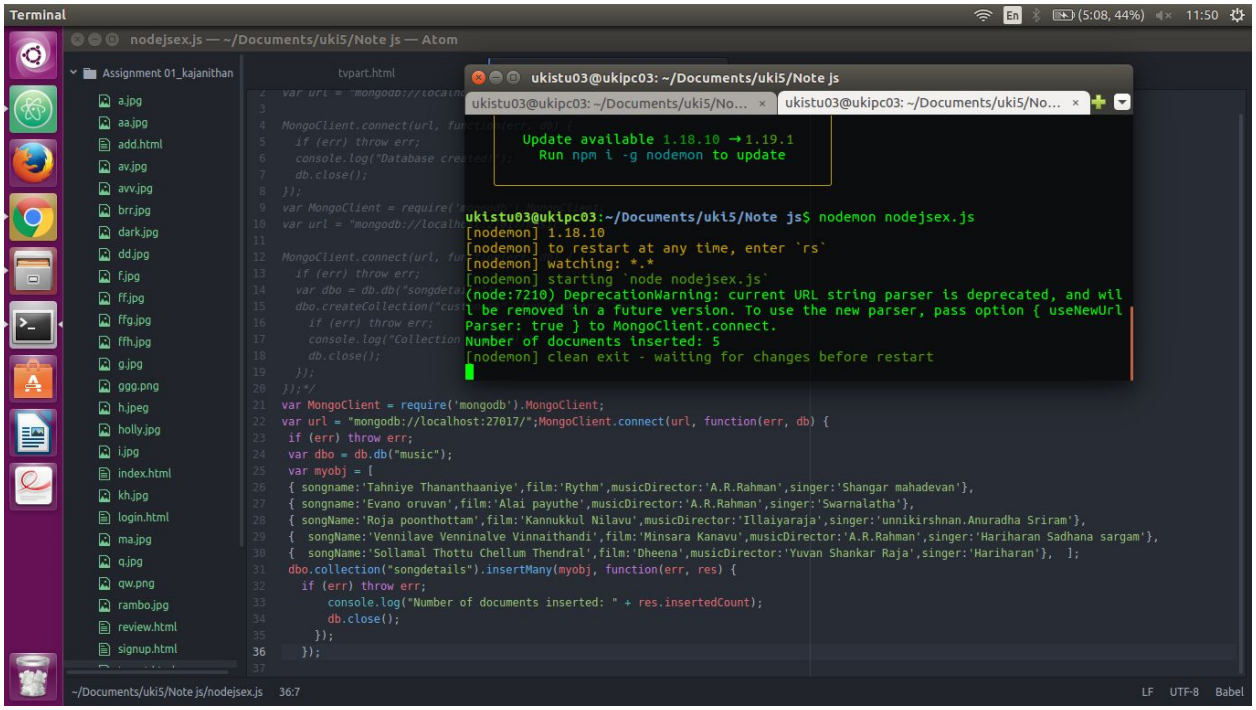
1) Create a Database called music.



2) Create a collection called songdetails.



3) Create the above 5 song documents.



4) List all documents created.

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("music");
  dbo.collection("songdetails").find({}).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

```
ukistu03@ukipc03: ~/Documents/uki5/Note js
[nodemon] clean exit - waiting for changes before restart
^Cukistu03@ukipc03:~/Documents/uki5/Note js$ nodemon nodejsex.js
[nodemon] 1.18.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nodejsex.js`
(node:8652) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass o
ption { useNewUrlParser: true } to MongoClient.connect.
[ { _id: 5d24339fbcff7b1cb7d30f58,
    songname: 'Tahniye Thananthaaniye',
    film: 'Rythm',
    musicDirector: 'A.R.Rahman',
    singer: 'Shangar mahadevan' },
  { _id: 5d24339fbcff7b1cb7d30f59,
    songname: 'Evano oruvan',
    film: 'Alai payuthe',
    musicDirector: 'A.R.Rahman',
    singer: 'Swarnalatha' },
  { _id: 5d24339fbcff7b1cb7d30f5a,
    songName: 'Roja poonthottam',
    film: 'Kannukkul Nilavu',
    musicDirector: 'Illaiyaraja',
    singer: 'unnikirshnan.Anuradha Sriram' },
  { _id: 5d24339fbcff7b1cb7d30f5b,
    songName: 'Vennilave Venninalve Vinnaithandi',
    film: 'Minsara Kanavu',
    musicDirector: 'A.R.Rahman',
    singer: 'Hariharan Sadhana sargam' },
  { _id: 5d24339fbcff7b1cb7d30f5c,
    songName: 'Sollamal Thottu Chellum Thendral',
    film: 'Dheena',
    musicDirector: 'Yuvan Shankar Raja',
    singer: 'Hariharan' } ]
[nodemon] clean exit - waiting for changes before restart
```

5) List A.R.Rahman’s songs.

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("music");
  var query = {musicDirector : "A.R.Rahman" };
  dbo.collection("songdetails").find(query).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

```
^Cukistu03@ukipc03:~/Documents/uki5/Note js$ nodemon nodejsex.js
[nodemon] 1.18.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nodejsex.js`
(node:8358) DeprecationWarning: current URL string parser is deprecated, and will be removed in a futu
ption { useNewUrlParser: true } to MongoClient.connect.
[ { _id: 5d24339fbcff7b1cb7d30f58,
    songname: 'Tahniye Thananthaaniye',
    film: 'Rythm',
    musicDirector: 'A.R.Rahman',
    singer: 'Shangar mahadevan' },
  { _id: 5d24339fbcff7b1cb7d30f59,
    songname: 'Evano oruvan',
    film: 'Alai payuthe',
    musicDirector: 'A.R.Rahman',
    singer: 'Swarnalatha' },
  { _id: 5d24339fbcff7b1cb7d30f5b,
    songName: 'Vennilave Venninalve Vinnaithandi',
    film: 'Minsara Kanavu',
    musicDirector: 'A.R.Rahman',
    singer: 'Hariharan Sadhana sargam' } ]
[nodemon] clean exit - waiting for changes before restart
```

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

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("music");
  var query = ({ $and:[{musicDirector:"A.R.Rahman"},{singer:"unnikirshnan"}] });
  dbo.collection("songdetails").find(query).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

```
^Cukistu03@ukipc03:~/Documents/uki5/Note js$ nodemon nodejsex.js
[nodemon] 1.18.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nodejsex.js`
(node:8896) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To u
ption { useNewUrlParser: true } to MongoClient.connect.
[]
[nodemon] clean exit - waiting for changes before restart
```

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

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("music");
  var myquery = { songName:'Tahniye Thananthaaniye' };
  dbo.collection("songdetails").deleteOne(myquery, function(err, obj) {
    if (err) throw err;
    console.log("1 document deleted");
    db.close();
  });
});
```

```
^Cukistu03@ukipc03:~/Documents/uki5/Note js$ nodemon nodejsex.js
[nodemon] 1.18.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nodejsex.js`
(node:9156) DeprecationWarning: current URL string parser is deprecated, and will
ption { useNewUrlParser: true } to MongoClient.connect.
1 document deleted
[nodemon] clean exit - waiting for changes before restart
```

8) Add new song which is your favourite.

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("music");
  var myobj = { songname:'Kaadhalea Kaadhalea',film:'96',musicDirector:'Govind Vashatha',singer:'Chinmayi'};
  dbo.collection("songdetails").insertOne(myobj, function(err, res) {
    if (err) throw err;
    console.log("1 document inserted");
    db.close();
  });
});
```

```
^Cukistu03@ukipc03:~/Documents/uki5/Note js$ nodemon nodejsex.js
[nodemon] 1.18.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nodejsex.js`
(node:9156) DeprecationWarning: current URL string parser is deprecated, and will be removed in a fut
ption { useNewUrlParser: true } to MongoClient.connect.
1 document deleted
[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting `node nodejsex.js`
(node:9454) DeprecationWarning: current URL string parser is deprecated, and will be removed in a fut
ption { useNewUrlParser: true } to MongoClient.connect.
1 document inserted
[nodemon] clean exit - waiting for changes before restart
^Cukistu03@ukipc03:~/Documents/uki5/Note js$ nodemon nodejsex.js
[nodemon] 1.18.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nodejsex.js`
(node:9479) DeprecationWarning: current URL string parser is deprecated, and will be removed in a fut
ption { useNewUrlParser: true } to MongoClient.connect.
1 document inserted
[nodemon] clean exit - waiting for changes before restart
```

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

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

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

```
^Cukistu03@ukipc03:~/Documents/uki5/Note js$ nodemon nodejsex.js
[nodemon] 1.18.10
[nodemon] to restart at any time, enter `rs`
[nodemon] watching: *.*
[nodemon] starting `node nodejsex.js`
(node:9732) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version.
ption { useNewUrlParser: true } to MongoClient.connect.
[]
[nodemon] clean exit - waiting for changes before restart
```

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

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

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("music");
  dbo.collection("songdetails").find({}, { projection: { _id: 0, singer: 1 } }).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

```
(node:9962) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future vers
ption { useNewUrlParser: true } to MongoClient.connect.
[ { singer: 'Shangar mahadevan' },
  { singer: 'Swarnalatha' },
  { singer: 'unnikirshnan.Anuradha Sriram' },
  { singer: 'Hariharan Sadhana sargam' },
  { singer: 'Hariharan' },
  { singer: 'Chinmayi' },
  { singer: 'Chinmayi' } ]
[nodemon] clean exit - waiting for changes before restart
```