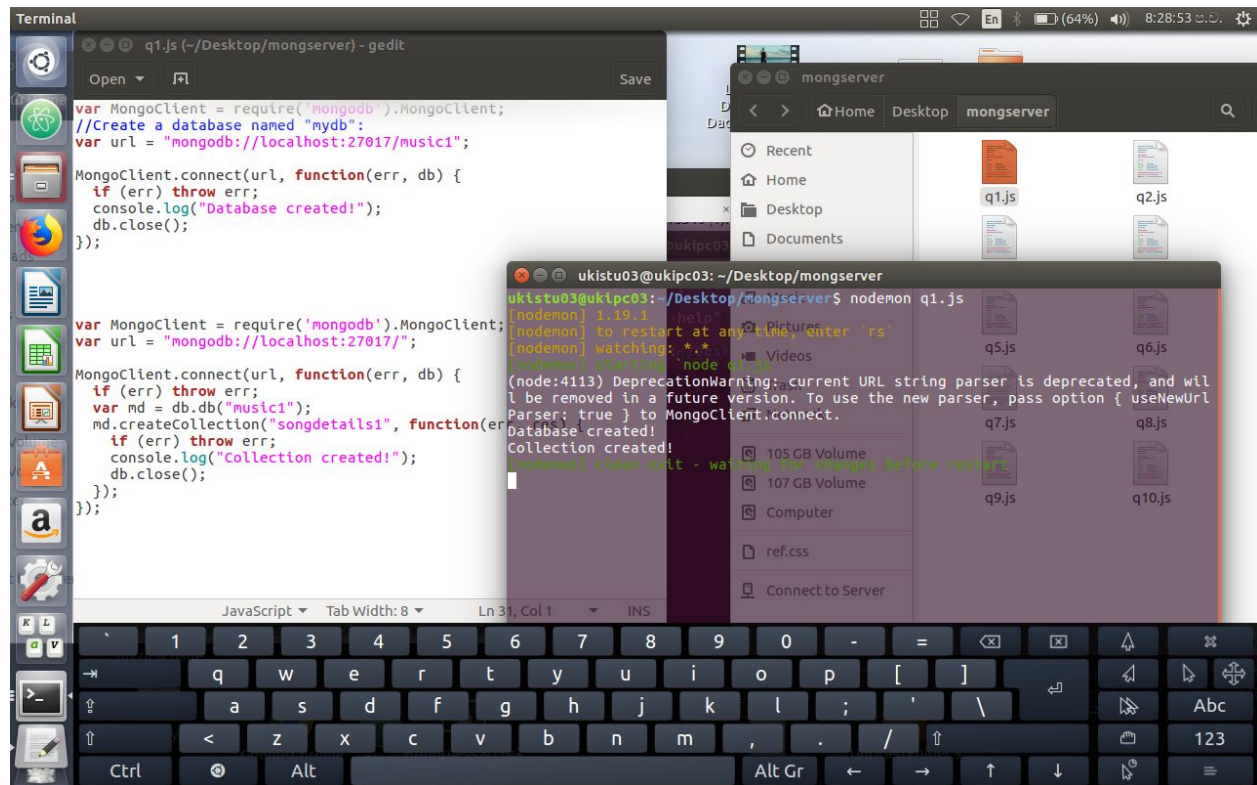
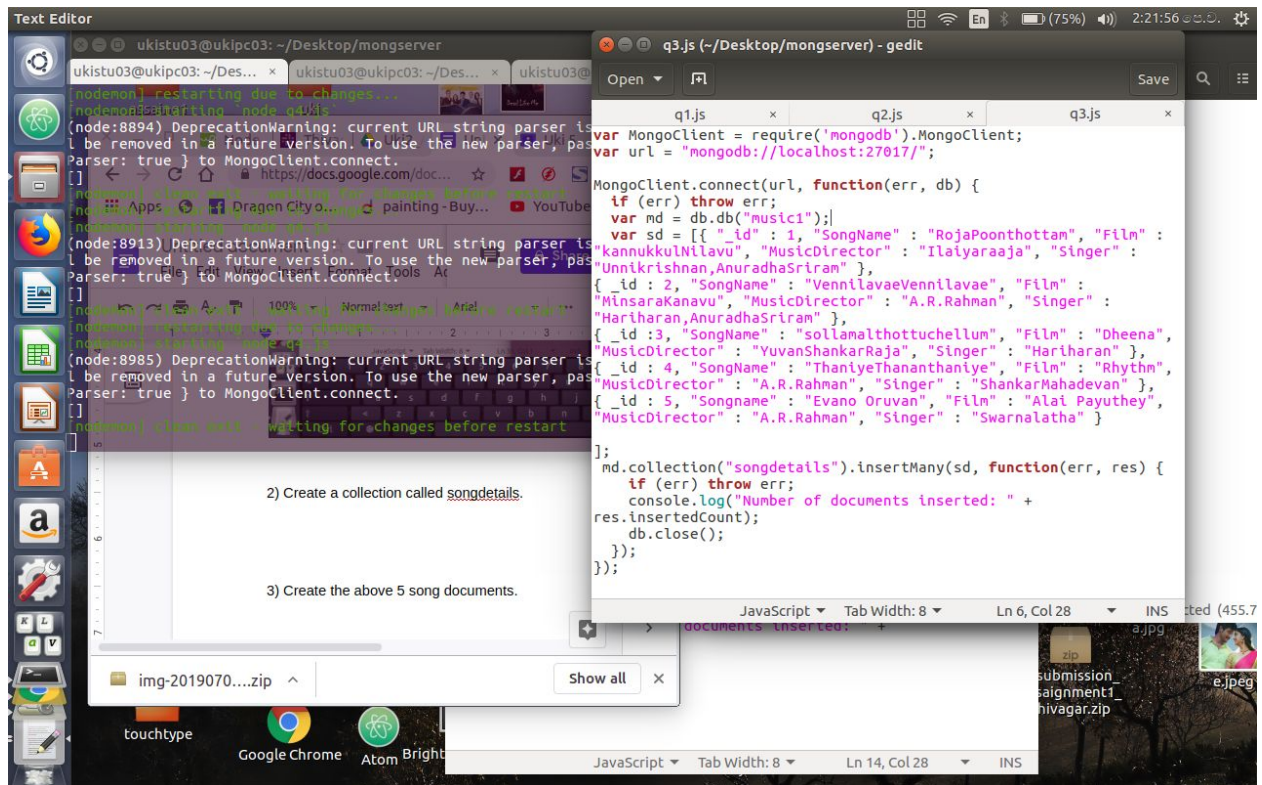


1) Create a Database called music

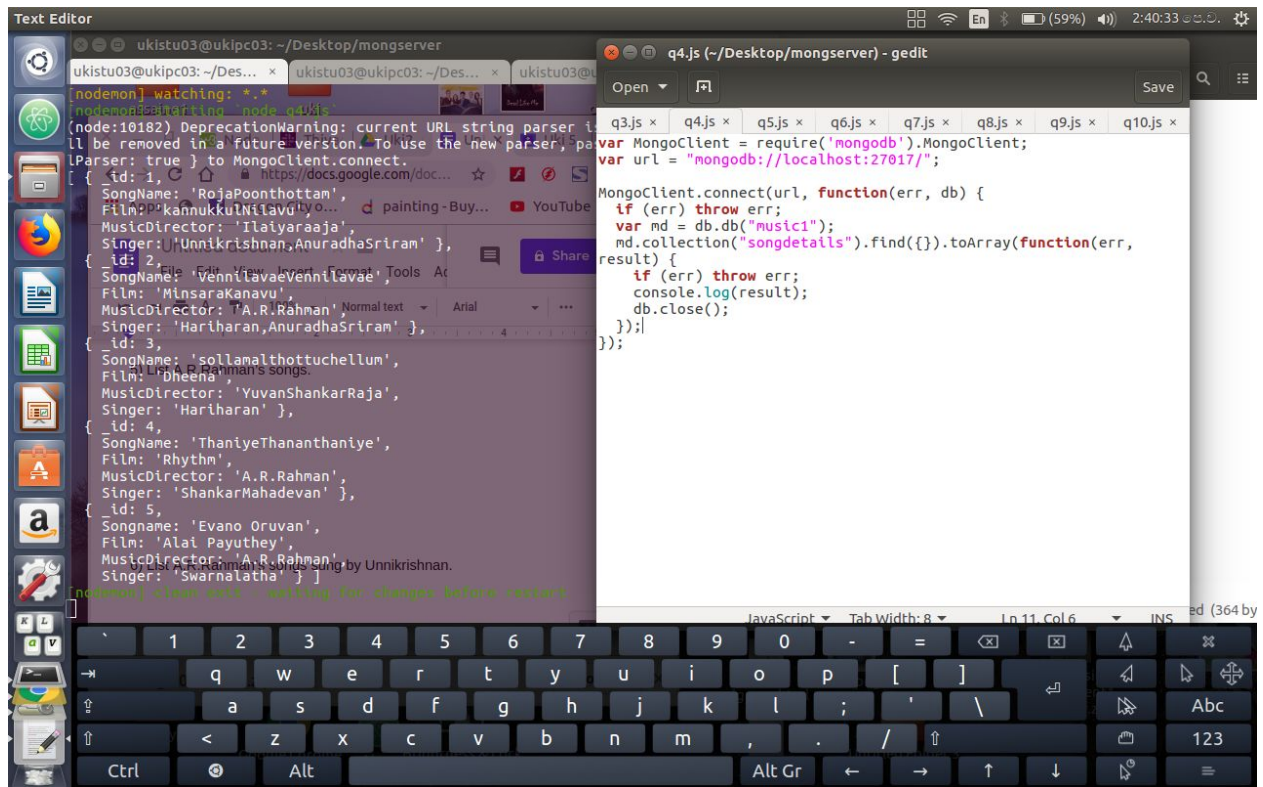


2) Create a collection called songdetails.

3) Create the above 5 song documents.



#### 4) List all documents created.



The screenshot shows a terminal window on the left and a code editor on the right. The terminal window displays the output of a Node.js script that connects to a MongoDB database and lists all documents in a collection named 'songdetails'. The code editor shows the source code of the script, which uses the 'mongodb' package to connect to the database and retrieve the documents.

```
ukistu03@ukipc03: ~/Desktop/mongserver
[ukistu03@ukipc03: ~/Desktop/mongserver]$ node q4.js
(node:10182) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass {url: true} to MongoClient.connect.
[{"_id": 1, "SongName": "RajaPoonthottan", "Film": "KannukkulNilavdilo", "MusicDirector": "Ilaiyaraaja", "Singer": "Unnikrishnan, AnuradhaSriram"}, {"_id": 2, "SongName": "VennilavaeVennilavae", "Film": "Minsarakanavu", "MusicDirector": "A.R.Rahman", "Singer": "Hariharan, AnuradhaSriram"}, {"_id": 3, "SongName": "sollamalthottuchellum", "Film": "Dheena", "MusicDirector": "YuvanShankarRaja", "Singer": "Hariharan"}, {"_id": 4, "SongName": "ThaniyeThananthaniye", "Film": "Rhythm", "MusicDirector": "A.R.Rahman", "Singer": "ShankarMahadevan"}, {"_id": 5, "SongName": "Evano Oruvan", "Film": "Alaipayuthey", "MusicDirector": "A.R.Rahman", "Singer": "Swarthalatha"}]
```

```
q4.js (~/Desktop/mongserver) - gedit
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var md = db.db("music1");
  md.collection("songdetails").find().toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

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

The screenshot shows a desktop environment with a terminal window and a text editor. The terminal window displays the output of a Node.js application, which is a list of songs by A.R. Rahman. The text editor shows a MongoDB query that filters songs by the director 'A.R. Rahman'.

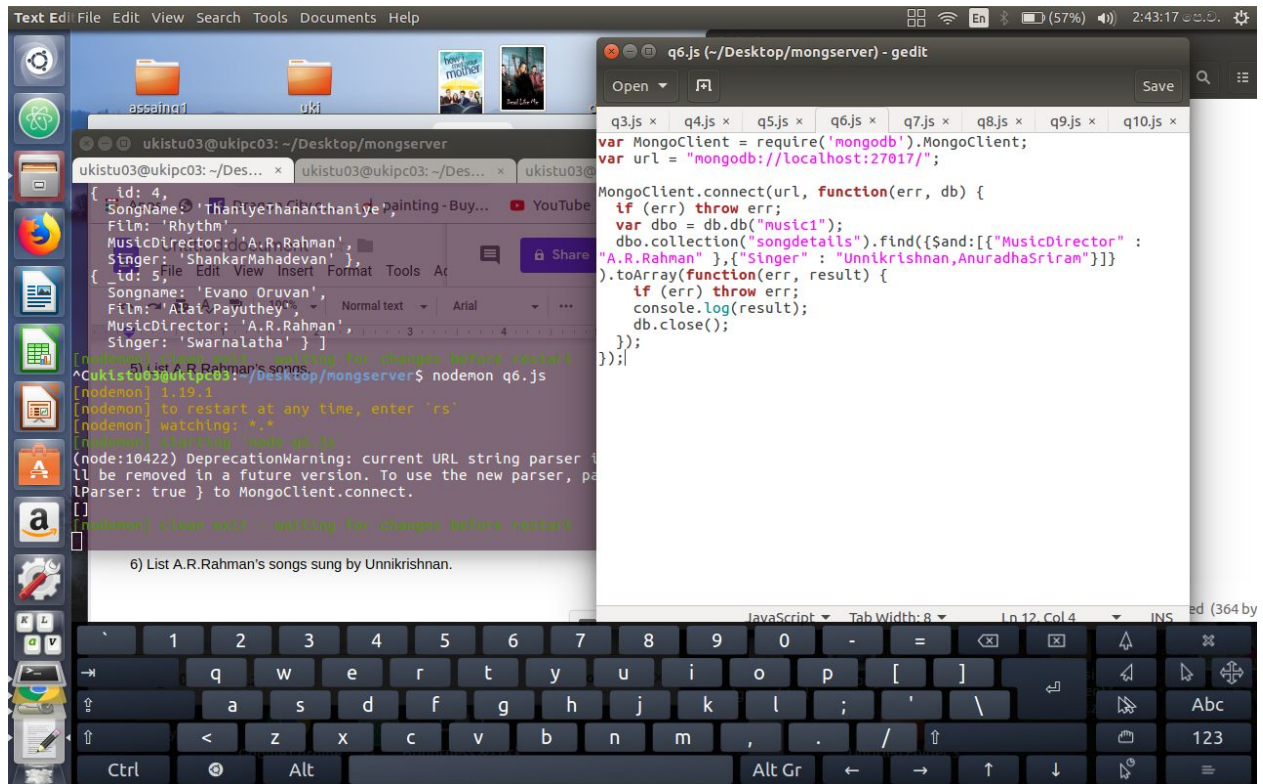
```
ukistu03@ukipc03: ~/Desktop/mongserver
[Node.js] watching: *.js
(node:10339) DeprecationWarning: current URL string parser is deprecated, and will be removed in a future version. To use the new parser, pass {urlParser: true} to MongoClient.connect.
[{"_id": 2, "SongName": "VennilavaeVennilavae", "Film": "MinsaraKanavu", "MusicDirector": "A.R.Rahman", "Singer": "Haritharan,AnuradhaSriram"}, {"_id": 4, "SongName": "Thaniyethanethaniye", "Film": "Rhythm", "MusicDirector": "A.R.Rahman", "Singer": "ShankarMahadevan"}, {"_id": 5, "SongName": "Evano Oruvan", "Film": "AlaL Payuthey", "MusicDirector": "A.R.Rahman", "Singer": "Swarnalatha"}]
```

```
q5.js (~/.Desktop/mongserver) - gedit
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";

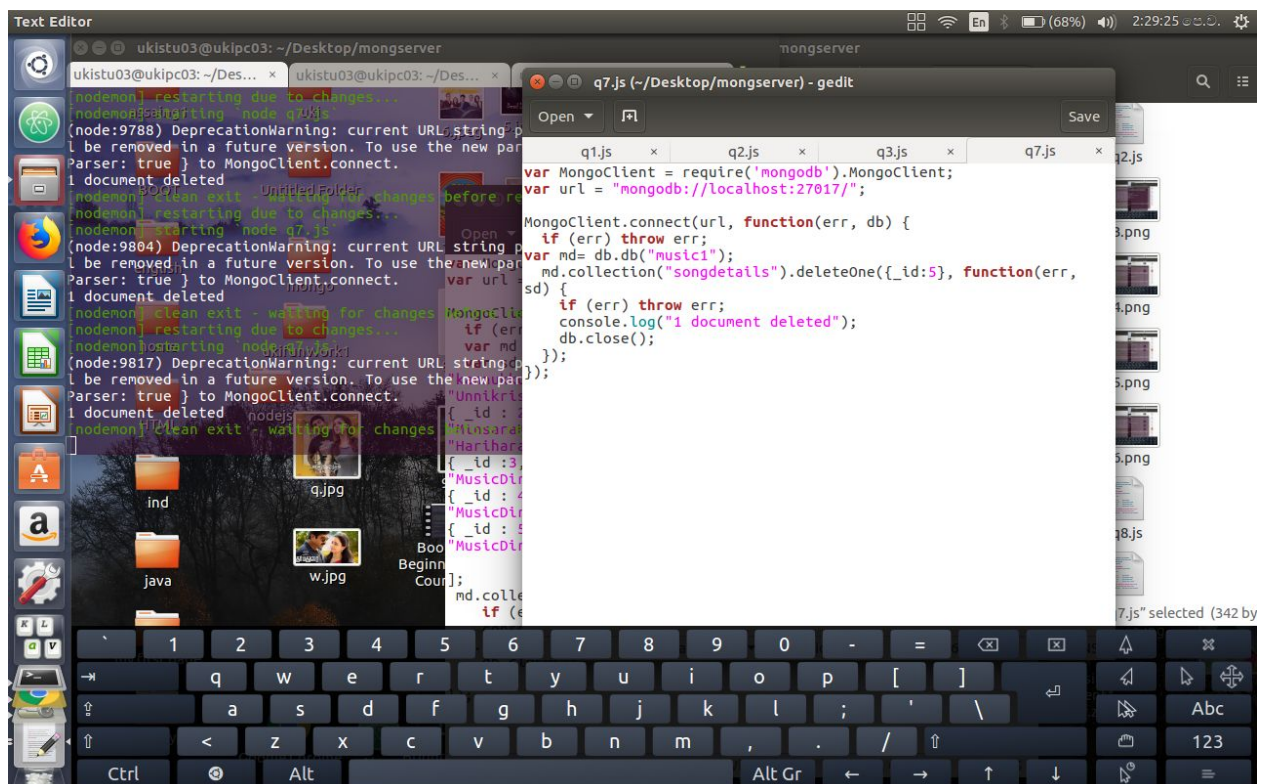
MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var dbo = db.db("music1");
  dbo.collection("songdetails").find({"MusicDirector" : "A.R.Rahman"}).toArray(function(err, result) {
    if (err) throw err;
    console.log(result);
    db.close();
  });
});
```

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

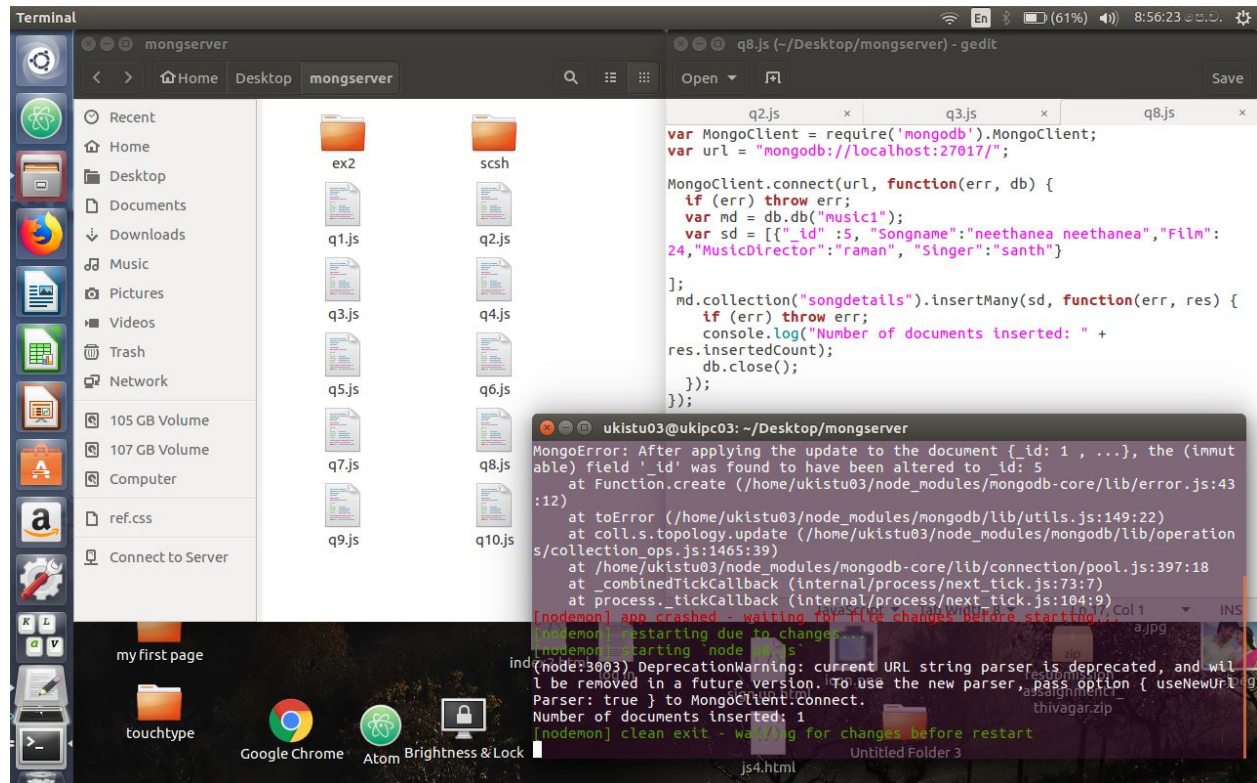




7) Delete the song which you don't like.



8) Add new song which is your favourite.

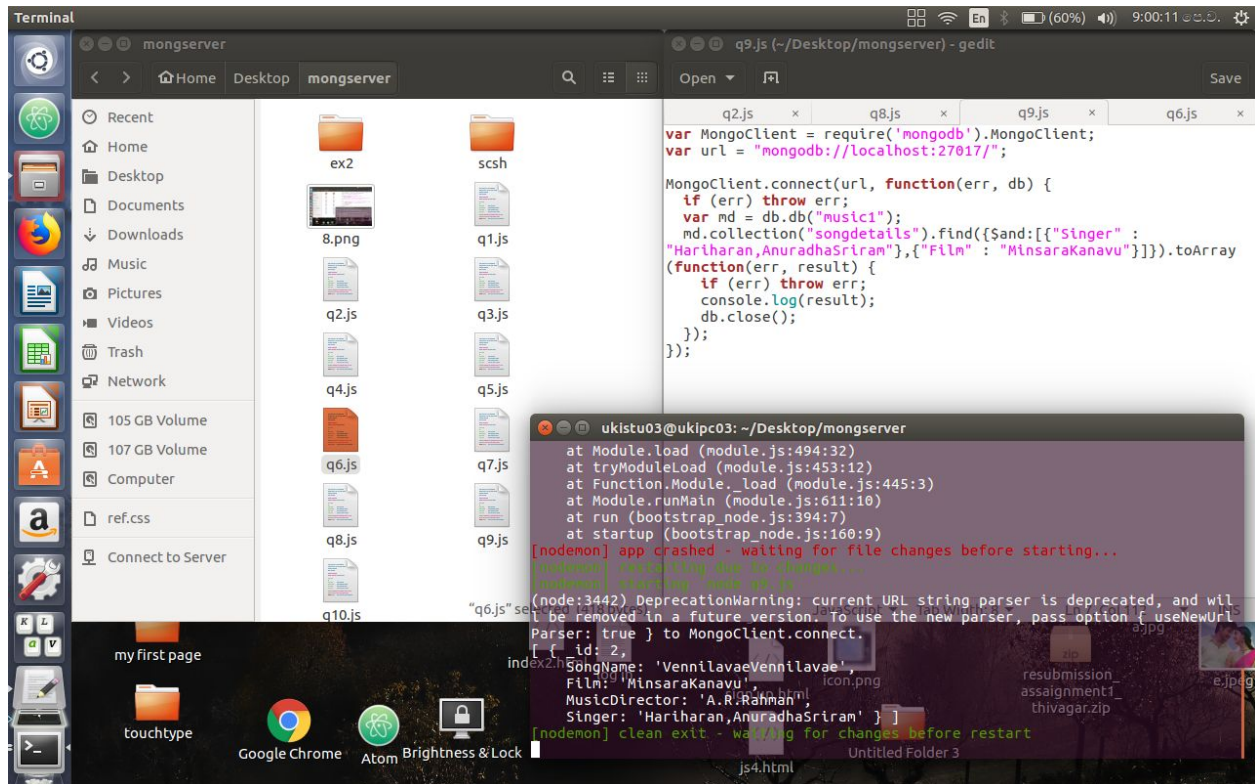


```
var MongoClient = require('mongodb').MongoClient;
var url = "mongodb://localhost:27017/";

MongoClient.connect(url, function(err, db) {
  if (err) throw err;
  var md = db.db("music1");
  var sd = [{"_id": 5, "Songname": "neethanea neethanea", "Film": "24", "MusicDirector": "raman", "Singer": "santh"}];
  md.collection("songdetails").insertMany(sd, function(err, res) {
    if (err) throw err;
    console.log("Number of documents inserted: " + res.insertedCount);
    db.close();
  });
});
```

```
MongoError: After applying the update to the document { _id: 1, ... }, the (immutable) field '_id' was found to have been altered to _id: 5
    at Function.create (/home/ukistu03/node_modules/mongodb-core/lib/error.js:43:12)
    at atError (/home/ukistu03/node_modules/mongodb/lib/utils.js:149:22)
    at coll.s.topology.update (/home/ukistu03/node_modules/mongodb/lib/operation/s/collection_ops.js:1465:39)
    at /home/ukistu03/node_modules/mongodb-core/lib/connection/pool.js:397:18
    at _combinedTickCallback (internal/process/next_tick.js:73:7)
    at process._tickCallback (internal/process/next_tick.js:104:9)
[Nodeemon] app crashed - waiting for file changes before starting
[Nodeemon] starting node
[Nodeemon] starting node
(node:3003) 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: 1
[Nodeemon] clean exit - waiting for changes before restart
```

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



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



