# **MongoDB** Exercise 1

1) Create a Database called music.

Use music

```
ukistuoS@ukipcOS:-/Documents/Uki4/Programming/Mongodb

wikistuoS@ukipcOS:-/Documents/Uki4/Programming/Mongodb sudo mongo
[sudo] password for ukistuoS:
Mongodb shell version v3.6.2
connecting to: nongodb://127.0.0.1:27017
Mongodb server version: 3.6.2
Server has startup warnings:
203-04.08112:22157,759+0530 I STORAGE
[initandlisten] ** WARNING: Using the XFS filesystem is strongly recommended with the WiredTiger storage engin
2019-01-08112:22157,759+0530 I CONTROL
[initandlisten] ** WARNING: Using the XFS filesystem is strongly recommended with the WiredTiger storage engin
2019-01-08112:22159,325+0530 I CONTROL
[initandlisten] ** WARNING: Access control is not enabled for the database.
2019-01-08112:22159,325+0530 I CONTROL
[initandlisten] ** WARNING: You are running this process as the root user, which is not recommended.
2019-01-08112:22159,325+0530 I CONTROL
[initandlisten] ** WARNING: You are running this process as the root user, which is not recommended.
2019-01-08112:22159,325+0530 I CONTROL
[initandlisten] ** WARNING: This server is bound to localhost.
2019-01-08112:22159,325+0530 I CONTROL
[initandlisten] ** Start the server with --bind_tp <a href="https://documents/uki4/Programming/Mongodb">documents/uki4/Programming/Mongodb</a>
** WARNING: You are running this process as the root user, which is not recommended.
2019-01-08112:22159,326+0530 I CONTROL
[initandlisten] ** WARNING: You are running this process as the root user, which is not recommended.
2019-01-08112:22159,326+0530 I CONTROL
[initandlisten] ** Start the server with --bind_tp <a href="https://documents/uki4/Programming/Mongodb">documents/uki4/Programming/Mongodb</a>
** WARNING: You are running this process as the root user, which is not recommended.
2019-01-08112:22319,326-0350 I CONTROL
[initandlisten] ** Start the server with --bind_tp <a href="https://documents/uki44">documents/uki44</a>
** See http://documents/uki44
**
```

#### 2) Create a collection called songdetails.

db.createDatabase("songsdetails")

#### 3) Create the above 5 song documents.

> db.songsdetails.insert({"SongName":"Thaniye Thananthaniye","Film":"Rhythm","Music Director":"A.R.Rahman","Singer":"Shankar mahadevan"})

> db.songsdetails.insert({"SongName":"Evano oruvan","Film":"Alai Payuthey","Music Director":"A.R.Rahman","Singer":"Sarnalatha"})

> db.songsdetails.insert({"SongName":"Vennilavae Vennilavae

Vinnaithaandi", "Film": "Minsara Kanavu", "Music

Director":"A.R.Rahman","Singer":"Hariharan,Sadhana Sargam"})

> db.songsdetails.insert({"SongName":"Sollamal Thottu Chellum

Thendral", "Film": "Dheena", "Music Director": "Yuvan Shankar

Raja", "Singer": "Hariharan" })

> db.songsdetails.insert({"SongName":"Roja Poonthottam","Film":"Kannukul Nilavu","Music Director":"Ilayaraaja","Singer":"Unnikrishnan,Anuradha Sriram"})

### 4) List all documents created.

> db.songsdetails.find().pretty()

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

```
db.songsdetails.find({"Music
Director":"A.R.Rahman"},{"SongName":1,_id:0})
{ "SongName" : "Thaniye Thananthaniye" }
{ "SongName" : "Evano oruvan" }
```

{ "SongName" : "Vennilavae Vennilavae Vinnaithaandi" }

```
> db.songsdetails.find({"Music Director":"A.R.Rahman"},{"SongName":1,_id:0})
{ "SongName" : "Thaniye Thananthaniye" }
{ "SongName" : "Evano oruvan" }
{ "SongName" : "Vennilavae Vennilavae Vinnaithaandi" }
> ■
```

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

db.songsdetails.insert({"SongName":"Roja Poonthottam","Film":"Kannukul Nilavu","Music Director":"Ilayaraaja","Singer":["Unnikrishnan","Anuradha Sriram"]})

```
> db.studentmarks.update({"name":"Raam"},{$unset:{"science_marks":88}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

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

> db.songdetails.remove({"Song Name":"Roja Poonthottam"}).pretty()

#### Screenshot:

# 8.Add new song which is your favourite

> db.songdetails.insert({"Song Name":"Maruvarththai Peshathe","Film":"Ennai Nokki Pajum Thotta","Music Director":"Dhanush","Singer": "Sidsriram"})

```
db.songdetails.insert({"Song Name":"Maruvarththai Peshathe","Film":"Ennai Nokk Pajum Thotta","Music Director":"Dhanush","Singer": "Sidsriram"})

WriteResult({ "nInserted" : 1 })

db.songdetails.find().pretty()

"_id" : ObjectId("5c383c8ea2164ac1a0a57478"),
    "Song Name" : "Thaniye Thananthaniye",
    "Film" : "Rhythm",
    "Music Director" : "A.R.Rahman",
    "Singer" : "Shankar mahadevan"

"_id" : ObjectId("5c383db2a2164ac1a0a57479"),
    "Song Name" : "Evano Oruvan",
    "Film" : "Alai Payuthey",
    "Music Director" : "A.R.Rahman",
    "Singer" : "Swarnalatha"

"_id" : ObjectId("5c383e33a2164ac1a0a5747b"),
    "Song Name" : "Vennilavae Vennilavae Vinnaithaandi",
    "Film" : "Minsara Kanavu",
    "Music Director" : "A.R.Rahman",

"Song Name" : "Vennilavae Vennilavae Vinnaithaandi",
    "Film" : "Minsara Kanavu",
    "Music Director" : "A.R.Rahman",
```

9.List Songs sung by Hariharan from Minsara kanavu film

>db.songdetails.find({"Film":"Minsara Kanavu","Singer":"Hariharan"},{"Song Name":1,\_id:0}).pretty()

```
"Singer" : "Hariharan"
        "_id" : ObjectId("5c384aeba2164ac1a0a57484"),
        "Song Name" : "Vennilavae Vennilavae Vinnaithaandi",
        "Film" : "Minsara Kanavu",
        "Music Director" : "A.R.Rahman",
        "Muste": [
"Singer": [
"Hariharan",
                "Sadhana Sargam"
> db.songsdetails.find({"Film":"Minsara Kanavu","Singer":"Hariharan"},{"SongName
":1,_id:0}).pretty()
> db.songdetails.find({"Film":"Minsara Kanavu","Singer":"Hariharan"},{"SongName"
:1, id:0}).pretty()
> db.songdetails.find({"Film":"Minsara Kanavu","Singer":"Hariharan"},{"SongName"
:1, id:0}).pretty()
> db.songdetails.find({"Film":"Minsara Kanavu","Singer":"Hariharan"},{"Song Name
":1, id:0}).pretty()
 "Song Name" : "Vennilavae Vennilavae Vinnaithaandi" }
```

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

> db.songdetails.find({},{"Singer":1, id:0}).pretty()

```
"Music Director" : "A.R.Rahman",
      "Singer": "Hariharan, Sadhana Sargam"
      "_id" : ObjectId("5c383e68a2164ac1a0a5747c"),
      "Song Name" : "Sollamal Thottu Chellum Thendral",
      "Film" : "Dheena",
      "Music Director" : "Yuvan Shankar Raja",
      "Singer": "Hariharan"
      "_id" : ObjectId("5c38441fa2164ac1a0a5747e"),
      "Song Name": "Maruvarththai Peshathe",
      "Film" : "Ennai Nokki Pajum Thotta",
      "Music Director" : "Dhanush",
      "Singer" : "Sidsriram"
db.songdetails.find({},{"Singer":1, _id:0}).pretty()
"Singer" : "Shankar mahadevan" }
"Singer" : "Swarnalatha" }
"Singer" : "Hariharan, Sadhana Sargam" }
"Singer" : "Hariharan" }
"Singer" : "Sidsriram" }
```