

Mongo DB Exercise 2

1. Create a Database called **music**

use music

```
> use music  
switched to db music
```

2. Create a collection called **songdetails**

db.createCollection("songdetails")

```
> db.createCollection("songdetails")  
{ "ok" : 1 }
```

Song Name	Film	Music Director	Singer
Thaniye Thananthaniye	Rhythm	A.R.Rahman	Shankar mahadevan
Evano Oruvan	Alai Payuthey	A.R.Rahman	Swarnalatha
Roja Poonthottam	Kannukkul Nilavu	Ilaiyaraaja	Unnikrishnan, Anuradha Sriram
Vennilavae Vennilavae Vinnaitaandi	Minsara Kanavu	A.R.Rahman	Hariharan Sadhana Sargam
Sollamal Thottu Chellum Thendral	Dheena	Yuvan Shankar Raja	Hariharan

3. Create the above 5 documents

```

db.songdetails.insert([
{
Song_Name : "Thaniye Thananthaniye",
Film : "Rhythm",
Music_Director : "A.R.Rahman",
Singer : "Shankar Mahadevan"
},
{
Song_Name : "Evano Oruvan",
Film : "Alai Payuthey",
Music_Director : "A.R.Rahman",
Singer : "Swarnalatha"
},
{
Song_Name : "Roja Poonthottam",
Film : "Kannukkul Nilavu",
Music_Director : "Ilaiyaraaja",
Singer : "Unnikrishnan, Anuradha Sriram"
},
{
Song_Name : "Vennilavae Vennilavae Vinnaihaandi",
Film : "Minsara Kanavu",
Music_Director : "A.R.Rahman",
Singer : "Hariharan, Sadhana Sargam"
},
{
Song_Name : "Sollamal Thottu Chellum Thendral",
Film : "Dheena",
Music_Director : "Yuvan Shankar Raja",
Singer : "Hariharan"
}
])

```

```

> db.songdetails.insert([
... {
...   Song_Name : "Thaniye Thananthaniye",
...   Film : "Rhythm",
...   Music_Director : "A.R.Rahman",
...   Singer : "Shankar Mahadevan"
... },
... {
...   Song_Name : "Evano Oruvan",
...   Film : "Alai Payuthey",
...   Music_Director : "A.R.Rahman",
...   Singer : "Swarnalatha"
... },
... {
...   Song_Name : "Roja Poonthottam",
...   Film : "Kannukkul Nilavu",
...   Music_Director : "Ilaiyaraaja",
...   Singer : "Unnikrishnan, Anuradha Sriram"
... },
... {
...   Song_Name : "Vennilavae Vennilavae Vinnaihaandi",
...   Film : "Minsara Kanavu",
...   Music_Director : "A.R.Rahman",
...   Singer : "Hariharan, Sadhana Sargam"
... },
... {
...   Song_Name : "Sollamal Thottu Chellum Thendral",
...   Film : "Dheena",
...   Music_Director : "Yuvan Shankar Raja",
...   Singer : "Hariharan"
... }
...
... ])
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 5,
  "nUpserted" : 0,

```

4.List all documents created

```
roja , Singer : "Haricharan" }
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("5a3b815f3148e0cd6597966a"),
  "Song_Name" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "Music_Director" : "A.R.Rahman",
  "Singer" : "Shankar Mahadevan"
}
{
  "_id" : ObjectId("5a3b815f3148e0cd6597966b"),
  "Song_Name" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "Music_Director" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}
{
  "_id" : ObjectId("5a3b815f3148e0cd6597966c"),
  "Song_Name" : "Roja Poonthottam",
  "Film" : "Kannukkul Nilavu",
  "Music_Director" : "Ilaiyaraaja",
  "Singer" : "Unnikrishnan,Anuradha Sriram"
}
{
  "_id" : ObjectId("5a3b815f3148e0cd6597966d"),
  "Song_Name" : "Vennilavae Vennilavae Vinnaithaandi",
  "Film" : "Minsara Kanavu",
  "Music_Director" : "A.R.Rahman",
  "Singer" : "Hariharan, Sadhana Sargam"
}
{
  "_id" : ObjectId("5a3b815f3148e0cd6597966e"),
  "Song_Name" : "Sollamal Thottu Chellum Thendral",
  "Film" : "Dheena",
  "Music_Director" : "Yuvan Shankar Raja",
  "Singer" : "Hariharan"
}
> █
```

5. List A.R. Rahman's songs

```
db.songsdetails.find({"Music_Director": "A.R.Rahman"}, {"Song_Name": 1, _id: 0})
```

```
> db.songsdetails.find({"Music_Director": "A.R.Rahman"}, {"Song_Name": 1, _id: 0})
{ "Song_Name" : "Thaniye Thananthaniye" }
{ "Song_Name" : "Evano Oruvan" }
{ "Song_Name" : "Vennilavae Vennilavae Vinnaiithaandi" }
> █
```

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

```
db.songsdetails.find({"Music_Director": "A.R.Rahman", "Singer": "Unnikrishnan"}, {"Song_Name": 1, _id: 0})
```

```
>
> db.songsdetails.find({"Music_Director": "A.R.Rahman", "Singer": "Swarnalatha"}, {"Song_Name": 1, _id: 0})
{ "Song_Name" : "Evano Oruvan" }
> db.songsdetails.find({"Music_Director": "A.R.Rahman", "Singer": "Unnikrishnan"}, {"Song_Name": 1, _id: 0})
> █
```

7. Delete the song which you don't like

```
db.songsdetails.remove({"Song_Name": "Evano Oruvan"})
```

```
>
>
> db.songsdetails.remove({"Song_Name": "Evano Oruvan"})
WriteResult({ "nRemoved" : 1 })
> █
```

```
> db.songsdetails.find().pretty()
{
  "_id" : ObjectId("5a3b815f3148e0cd6597966a"),
  "Song_Name" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "Music_Director" : "A.R.Rahman",
  "Singer" : "Shankar Mahadevan"
}
{
  "_id" : ObjectId("5a3b815f3148e0cd6597966c"),
  "Song_Name" : "Roja Poonthottam",
  "Film" : "Kannukkul Nilavu",
  "Music_Director" : "Ilaiyaraaja",
  "Singer" : "Unnikrishnan, Anuradha Sriram"
}
{
  "_id" : ObjectId("5a3b815f3148e0cd6597966d"),
  "Song_Name" : "Vennilavae Vennilavae Vinnaiithaandi",
  "Film" : "Minsara Kanavu",
  "Music_Director" : "A.R.Rahman",
  "Singer" : "Hariharan, Sadhana Sargam"
}
{
  "_id" : ObjectId("5a3b815f3148e0cd6597966e"),
  "Song_Name" : "Sollamal Thottu Chellum Thendral",
  "Film" : "Dheena",
  "Music_Director" : "Yuva Shankar Raja",
  "Singer" : "Hariharan"
}
> █
```

After removing a Song

8.Add the song which is your favorite

```
> db.songdetails.insert({Song_Name:"Kanmani Anbodu", Film:"Guna", Music_Director : "Ilaiyaraaja", "Singer":"Kamal Hassan, Janaki"})
WriteResult({ "nInserted" : 1 })
```

9.List the Songs sung by Hariharan in Film Minsara Kanavu

```
db.songsdetails.find({"Film":"Minsara Kanavu","Singer":"Hariharan"},{"Song_Name":1,_id:0})
```

```
db.songdetails.find({"Film":"Minsara Kanavu","Singer":"Hariharan, Sadhana Sargam"},{"Song_Name":1,_id:0})
{"Song_Name" : "Vennilavae Vennilavae Vinnaitthaandi" }
```

10.List out the Singers Name

```
db.songdetails.find({},{"Singer":1,_id:0})
```

```
> db.songdetails.find({},{"Singer":1,_id:0})
{ "Singer" : "Shankar Mahadevan" }
{ "Singer" : "Unnikrishnan,Anuradha Sriram" }
{ "Singer" : "Hariharan, Sadhana Sargam" }
{ "Singer" : "Hariharan" }
{ "Singer" : "Kamal Hassan, Janaki" }
```