

1) Create a Database called music.

```
> show dbs
admin      0.000GB
local      0.000GB
student    0.000GB
uki        0.000GB
> use music
switched to db music
> db
music
```

2) Create a collection called songdetails.

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

3) Create the above 5 song documents.

```
> db.songdetails.insert([{"SongName": "Vennilavae Vennilavae Vinnatchanoli", Film: "Minsara Kanavu", MusicDirector: "A.R.Rahman", Singer: "Haritharan, Sathya Sargam"}])
BulkWriteResult({
  "writeErrors": [ ],
  "writeConcernErrors": [ ],
  "inserted": 1,
  "nInserted": 0,
  "nMatched": 0,
  "nModified": 0,
  "nRemoved": 0,
  "upserted": [ ]
})
> db.songdetails.insert([{"SongName": "Sollamal Thottu Chellum Thendral", Film: "Dheena", MusicDirector: "Yuvan Shankar Raja", Singer: "Haritharan"}])
BulkWriteResult({
  "writeErrors": [ ],
  "writeConcernErrors": [ ],
  "inserted": 1,
  "nInserted": 0,
  "nMatched": 0,
  "nModified": 0,
  "nRemoved": 0,
  "upserted": [ ]
})
> db.songdetails.insert([{"SongName": "Thaniye Thananthaniye", Film: "Rhythm", MusicDirector: "A.R.Rahman", Singer: "Shankar Mahadevan"}])
BulkWriteResult({
  "writeErrors": [ ],
  "writeConcernErrors": [ ],
  "inserted": 1,
  "nInserted": 0,
  "nMatched": 0,
  "nModified": 0,
  "nRemoved": 0,
  "upserted": [ ]
})
> db.songdetails.insert([{"SongName": "Evano Oruvan", Film: "Alai Payuthay", MusicDirector: "A.R.Rahman", Singer: "Swarnalatha"}])
BulkWriteResult({
  "writeErrors": [ ],
  "writeConcernErrors": [ ],
  "inserted": 1,
  "nInserted": 0,
  "nMatched": 0,
  "nModified": 0,
  "nRemoved": 0,
  "upserted": [ ]
})
> db.songdetails.insert([{"SongName": "Roja Poonthottam", Film: "Kannukkul Nilavu", MusicDirector: "Illaiyaraaja", Singer: "Unnikrishnan, Anuradha Sritram"}])
BulkWriteResult({
  "writeErrors": [ ],
  "writeConcernErrors": [ ],
  "inserted": 1,
  "nInserted": 0,
  "nMatched": 0,
  "nModified": 0,
  "nRemoved": 0,
  "upserted": [ ]
})
> db.songdetails.insert([{"SongName": "Vennilavae", Film: "Kannukkul Nilavu", MusicDirector: "Illaiyaraaja", Singer: "Unnikrishnan, Anuradha Sritram"}])
BulkWriteResult({
  "writeErrors": [ ],
  "writeConcernErrors": [ ],
  "inserted": 1,
  "nInserted": 0,
  "nMatched": 0,
  "nModified": 0,
  "nRemoved": 0,
  "upserted": [ ]
})
```

4) I list all documents created.

Song Name	Film	Music Dir
Vennilavae Vennilavae Vinnatchanoli	Minsara Kanavu	A.R. Rahman
Sollamal Thottu Chellum Thendral	Dheena	Yuvan Shankar Raja
Thaniye Thananthaniye	Rhythm	A.R. Rahman
Evano Oruvan	Alai Payuthay	A.R. Rahman
Roja Poonthottam	Kannukkul Nilavu	Illaiyaraaja
Vennilavae	Kannukkul Nilavu	Illaiyaraaja

4) List all documents created.

```
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("5d108a0966f3767a694e72ea"),
  "SongName" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Shankar mahadevan"
}
{
  "_id" : ObjectId("5d108a8c66f3767a694e72eb"),
  "SongName" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}
{
  "_id" : ObjectId("5d108b5166f3767a694e72ec"),
  "SongName" : "Raja Poonthottam",
  "Film" : "Kannukkul Nilavu",
  "MusicDirector" : "Illaiyaraaja",
  "Singer" : "Unnikrishnan,Anuradha Sriram"
}
{
  "_id" : ObjectId("5d108c1366f3767a694e72ee"),
  "SongName" : "Vennilavae Vennilavae Vinnaihaandi",
  "Film" : "Minsara Kanavu",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Hariharan,Sadhana Sargam"
}
{
  "_id" : ObjectId("5d108c8766f3767a694e72ef"),
  "SongName" : "Sollamal Thottu Chellum Thendral",
  "Film" : "Dheena",
  "MusicDirector" : "Yuvan Shankar Raja",
  "Singer" : "Hariharan"
}
```

**MongoDB Exercise**

Song Name	Film	Music Director
Thaniye Thananthaniye	Rhythm	A.R.Rahman
Evano Oruvan	Alai Payuthey	A.R.Rahman
Raja Poonthottam	Kannukkul Nilavu	Illaiyaraaja
Vennilavae Vennilavae Vinnaihaandi	Minsara Kanavu	A.R.Rahman
Sollamal Thottu Chellum Thendral	Dheena	Yuvan Shankar Raja

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

```
> db.songdetails.find({"MusicDirector":"A.R.Rahman"}).pretty()
{
  "_id" : ObjectId("5d108a0966f3767a694e72ea"),
  "SongName" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Shankar mahadevan"
}
{
  "_id" : ObjectId("5d108a8c66f3767a694e72eb"),
  "SongName" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}
{
  "_id" : ObjectId("5d108c1366f3767a694e72ee"),
  "SongName" : "Vennilavae Vennilavae Vinnaihaandi",
  "Film" : "Minsara Kanavu",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Hariharan,Sadhana Sargam"
}
```

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

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.

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

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

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

```
> db.songdetails.find({"Singer":"Unnikrishnan,Anuradha Sriram"}).pretty()
{
  "_id" : ObjectId("5d108b5166f3767a694e72ec"),
  "SongName" : "Roja Poonthottam",
  "Film" : "Kannukkul Nilavu",
  "MusicDirector" : "Illaiyaraaja",
  "Singer" : "Unnikrishnan,Anuradha Sriram"
}
```

8) Add new song which is your favourite.

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

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

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

```
> db.songdetails.remove({"SongName":"Evano Oruvan"})
WriteResult({ "nRemoved" : 1 })
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("5d108a0966f3767a694e72ea"),
  "SongName" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Shankar mahadevan"
}
{
  "_id" : ObjectId("5d108b5166f3767a694e72ec"),
  "SongName" : "Roja Poonthottam",
  "Film" : "Kannukkul Nilavu",
  "MusicDirector" : "Illaiyaraaja",
  "Singer" : "Unnikrishnan,Anuradha Sriram"
}
{
  "_id" : ObjectId("5d108c1366f3767a694e72ee"),
  "SongName" : "Vennilavae Vennilavae Vinnaihaandi",
  "Film" : "Minsara Kanavu",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Hariharan,Sadhana Sargam"
}
</head>
<body>
  "_id" : ObjectId("5d108c8766f3767a694e72ef"),
  "SongName" : "Sollamal Thottu Chellum Thendral",
  "Film" : "Dheena",
  "MusicDirector" : "Yuvan Shankar Raja",
  "Singer" : "Hariharan"
</body>
</html>
```

8) Add new song which is your favourite.

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

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