

MongoDB Exercise

1) Create a Database called music.

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

2) Create a collection called songdetails.

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

3) Create the above 5 song 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 Poonthottan','Film':'Kannukkul Nilavu','Music Director':'Ilaiyaraaja','Singer':'Unnikrishnan Anuradha Srian'},{'Song Name':'Vennilavae Vennilavae Vinnaihaandi','Film':'Minsara kanavu','Music Director':'A.R.Rahman','Singer':'Hartharan Sadhana sargan'},{'Song Name':'Sollanal Thottu chellun Thendral','Film':'Dheena','Music Director':'Yuvan Shankar Raja','Singer':'Hartharan'}])
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 5,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
```

4) List all documents created.

```
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("5b3cd759473d16ec146a5553"),
  "Song Name" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Shankar mahadevan"
}
{
  "_id" : ObjectId("5b3cd759473d16ec146a5554"),
  "Song Name" : "Evano oruvan",
  "Film" : "Alai Payuthey",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}
{
  "_id" : ObjectId("5b3cd759473d16ec146a5555"),
  "Song Name" : "Roja Poonthottam",
  "Film" : "Kannukkul Nilavu",
  "Music Director" : "Ilaiyaraaja",
  "Singer" : "Unnikrishnan Anuradha Srilam"
}
{
  "_id" : ObjectId("5b3cd759473d16ec146a5556"),
  "Song Name" : "Vennilavae Vennilavae Vinnaitaandi",
  "Film" : "Minsara kanavu",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Hariharan Sadhana sargam"
}
{
  "_id" : ObjectId("5b3cd759473d16ec146a5557"),
  "Song Name" : "Sollamal Thottu chellum Thendral",
  "Film" : "Dheena",
  "Music Director" : "Yuvan Shankar Raja",
  "Singer" : "Hariharan"
}
```

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

```

db.songdetails.find({"Music Director":"A.R.Rahman"})
{ "_id" : ObjectId("5b3cd759473d16ec146a5553"), "Song Name" : "Thaniye Thananthaniye", "Film" : "Rhythm", "Music Director" : "A.R.Rahman", "Singer" : "Shankar mahadevan" }
{ "_id" : ObjectId("5b3cd759473d16ec146a5554"), "Song Name" : "Evano oruvan", "Film" : "Alai Payuthey", "Music Director" : "A.R.Rahman", "Singer" : "Swarnalatha" }
{ "_id" : ObjectId("5b3cd759473d16ec146a5556"), "Song Name" : "Vennilavae Vennilavae Vinnaitthaandi", "Film" : "Minsara kanavu", "Music Director" : "A.R.Rahman", "Singer" : "Hariharan Sadhana sargan" }

```

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

```

> db.songdetails.find({'Music Director':'A.R.Rahman','Singer':'Unnikrishnan'})
> 9

```

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

```

> db.songdetails.remove({'Song Name':'Thaniye Thananthaniye'})
WriteResult({ "nRemoved" : 1 })

```

8) Add new song which is your favourite.

```

> db.songdetails.insert({'Song Name':'Chinna Chinna kannasaivil'})
WriteResult({ "nInserted" : 1 })

```

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

```
> db.songdetails.find({'Film':'Minsara kanavu','Singer':'Hariharan Sadhana sargam'})
{ "_id" : ObjectId("5b3cd759473d16ec146a5556"), "Song Name" : "Vennilavae Vennilavae Vinnalthaandi", "Film" : "Minsara kanavu", "Music Director" : "A.R.Rahman", "Singer" : "Hariharan Sadhana sargam" }
>
```

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

```
> db.songdetails.find({},{'Singer':1,_id:0})
[ "Singer" : "Swarnalatha" ]
[ "Singer" : "Unnikrishnan Anuradha Sriram" ]
[ "Singer" : "Hariharan Sadhana sargam" ]
[ "Singer" : "Hariharan" ]
[ ]
>
```