

MongoDB Exercise 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 Vinnaithaandi	Minsara Kanavu	A.R.Rahman	Hariharan Sadhana Sargam
Sollamal Thottu Chellum Thendral	Dheena	Yuvan Shankar Raja	Hariharan

Create database called music

```
> show dbs
admin      0.000GB
config     0.000GB
local      0.000GB
uki3       0.000GB

> use music
switched to db music

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

> show collections
songdetails
```

```
create collection called song details
```

```
> show dbs
admin      0.000GB
config     0.000GB
local      0.000GB
uki3       0.000GB

> use music
switched to db music

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

> show collections
songdetails
```

create the above songs 5 document

```
db.songdetails.insert([{"songname": "thanaiye_thannanthaniye", "fltn": "rhytham", "musicdirector": "shdb"}, {"songname": "thanaiye_thannanthaniye", "fltn": "rhythm", "musicdirector": "shdb"}], {writemethod: "insert"})
```

```
db.songdetails.find()
```

```
db.songdetails.findOne()
```

```
db.songdetails.insert([{"songname": "thanaiye_thannanthaniye", "fltn": "rhytham", "musicdirector": "a.r.rahman", "singer": "mahadevan"}, {"songname": "evanooruvan", "fltn": "alaipayutha", "musicdirector": "a.r.rahman", "singer": "swarnalatha"}, {"songname": "roojapoonthonadan", "fltn": "kannukunilavu", "musicdirector": "tlayarajh", "singer": "unnikrishnan", "anurathakrishna"}, {"songname": "vennilavevennilavevennilave", "fltn": "minsarakavuvu", "musicdirector": "a.r.rahman", "singer": "haritharan", "athanaragan"}, {"songname": "sollamalalthodussellumhendral", "fltn": "dheena", "musicdirector": "yuvanshankarajah", "singer": "haritharan"}])
```

```
bulkWriteResult({  
    "writeErrors" : [ ],  
    "writeConcernErrors" : [ ],  
    "nInserted" : 5,  
    "nUpserted" : 0,  
    "nMatched" : 0,  
    "nModified" : 0,  
    "nRemoved" : 0,  
    "upserted" : [ ]  
})
```

list all docuuments

```
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("5b3cfe86f7ccdda25a4e4257"),
  "songname" : "thaniyae_thannamthaniye",
  "film" : "rhytham",
  "musicdirector" : "a.r.rahman",
  "singer" : "mahadevan"
}
{
  "_id" : ObjectId("5b3cfe86f7ccdda25a4e4258"),
  "songname" : "evanooruvan",
  "film" : "alaipayuthae",
  "musicdirector" : "a.r.rahman",
  "singer" : "swarnaltha"
}
{
  "_id" : ObjectId("5b3cfe86f7ccdda25a4e425a"),
  "songname" : "vennilavevennilavevennilave",
  "film" : "minsarakanavu",
  "musicdirector" : "a.r.rahman",
  "singer" : "hariharan,sathanaragam"
}
{
  "_id" : ObjectId("5b3cfe86f7ccdda25a4e425b"),
  "songname" : "sollamalthoddusellumthendral",
  "film" : "dheena",
  "musicdirector" : "yuvanshankarajah",
  "singer" : "hariharan"
}
```

list ar rahaman songs

```
> db.songdetails.find({musicdirector:"a.r.rahman"})
{ "_id" : ObjectId("5b3cfe86f7ccdda25a4e4257"), "songname" : "thaniyae_thannamthaniye", "film" : "rhytham", "musicdirector" : "a.r.rahman", "singer" : "mahadevan" }
{ "_id" : ObjectId("5b3cfe86f7ccdda25a4e4258"), "songname" : "evanooruvan", "film" : "alaipayuthae", "musicdirector" : "a.r.rahman", "singer" : "swarnaltha" }
{ "_id" : ObjectId("5b3cfe86f7ccdda25a4e425a"), "songname" : "vennilavevennilavevennilave", "film" : "minsarakanavu", "musicdirector" : "a.r.rahman", "singer" : "hariharan,sathanaragam" }
```

list ar rahaman songs sung by unni krishnan

```
> db.songdetails.find({musicdirector:"a.r.rahman",singer: "unnikirushnan,anurathakrishnan"})
```

delete the song which u dont like

```
> db.songdetails.remove({"songname" : "roojapoonthodam"})
WriteResult({ "nRemoved" : 1 })
> db.songdetails.find()
{ "_id" : ObjectId("5b3cfe86f7ccdda25a4e4257"), "songname" : "thaniyae_thannamthaniye", "film" : "rhytham", "musicdirector" : "a.r.rahman", "singer" : "mahadevan" }
{ "_id" : ObjectId("5b3cfe86f7ccdda25a4e4258"), "songname" : "evanooruvan", "film" : "alaipayuthae", "musicdirector" : "a.r.rahman", "singer" : "swarnaltha" }
{ "_id" : ObjectId("5b3cfe86f7ccdda25a4e425a"), "songname" : "vennilavevennilavevennilave", "film" : "minsarakanavu", "musicdirector" : "a.r.rahman", "singer" : "hariharan,sathanaragam" }
{ "_id" : ObjectId("5b3cfe86f7ccdda25a4e425b"), "songname" : "sollamalthoddusellumthendral", "film" : "dheena", "musicdirector" : "yuvanshankarajah", "singer" : "hariharan" }
```

add a song which I your favourite

```

> db.songdetails.insert({myfavourite:"kannalane"})
WriteResult({ "nInserted" : 1 })
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("5b3cfe86f7ccdda25a4e4257"),
  "songname" : "thaniyae_thannamthaniye",
  "film" : "rhytham",
  "musicdirector" : "a.r.rahman",
  "singer" : "mahadevan"
}
{
  "_id" : ObjectId("5b3cfe86f7ccdda25a4e4258"),
  "songname" : "evanooruvan",
  "film" : "alaipayuthae",
  "musicdirector" : "a.r.rahman",
  "singer" : "swarnaltha"
}
{
  "_id" : ObjectId("5b3cfe86f7ccdda25a4e425a"),
  "songname" : "vennilavevennilavevennilave",
  "film" : "minsarakanavu",
  "musicdirector" : "a.r.rahman",
  "singer" : "hariharan,sathanaragam"
}
{
  "_id" : ObjectId("5b3cfe86f7ccdda25a4e425b"),
  "songname" : "sollamalthoddusellumthendral",
  "film" : "dheena",
  "musicdirector" : "yuvanshankarajah",
  "singer" : "hariharan"
}
{ "_id" : ObjectId("5b3d195a8ffcdd8407209145"), "myfavourite" : "kannalane" }

```

list a song sung by hariharan from minsarakanavu

```

> db.songdetails.find({"film" : "minsarakanavu",singer:"hariharan,sathanaragam"}).pretty()
{
  "_id" : ObjectId("5b3cfe86f7ccdda25a4e425a"),
  "songname" : "vennilavevennilavevennilave",
  "film" : "minsarakanavu",
  "musicdirector" : "a.r.rahman",
  "singer" : "hariharan,sathanaragam"
}

```

list out the all singers from document

```

> db.songdetails.find({}, {singer:1, _id:0}).sort({singer:1})
{
  "singer" : "hariharan" }
{
  "singer" : "hariharan,sathanaragam" }
{
  "singer" : "mahadevan" }
{
  "singer" : "swarnaltha" }

```