

MongoDB Exercise 1

1) Create a Database called music.

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

2) Create a collection called song details.

```
> use music
switched to db music
> db
music
> db.createCollection("songdetails")
{ "ok" : 1 }
> 
```

3) Create the above 5 song documents.

```
@(shell):1:3
> show collections
songdetails
> db.songdetails.find()
> db.songdetails.insert({Song Name:Thaniye })
uncaught exception: SyntaxError: missing : after property id :
@(shell):1:28
> Thananthaniye
uncaught exception: ReferenceError: Thananthaniye is not defined :
@(shell):1:1
> db.songdetails.insert({"Song Name":"Thaniye Thannanthaniye","Film":"Rhythm","Music Director":
"A.R.Rahman","Singer":"Shankar mahadevan"})
WriteResult({ "nInserted" : 1 })
> db.songdetails.find()
{ " _id" : ObjectId("628f97ff361677d3eac70a99"), "Song Name" : "Thaniye Thannanthaniye", "Film"
: "Rhythm", "Music Director" : "A.R.Rahman", "Singer" : "Shankar mahadevan" }
> db.songdetails.insert({"Song Name":"Evano Oruvan","Film":"Alai Payuthey","Music Director":"A.
R.Rahman","Singer":"Swarnalatha"})
WriteResult({ "nInserted" : 1 })
> db.songdetails.insert([{"Song Name":"Roja Poonthottam","Film":"Kannukul Nilavu","Music Direct
or":"Ilaiyaraaja","Singer":"Unnikrishnan,Anuradha Sriram"}, {"Song Name":"Vennilavae Vennilave V
innaithaandi","Film":"Minsara Kanavu","Music Director":"A.R.Rahman","Singer":"Hariharan,Sadhana
Sargam"}, {"Song Name":"Sollamal Thottu Chellum Thendral","Film":"Dheena","Music Director":"Yuv
an Shankar Raja","Singer":"Hariharan"}])
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 3,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
```

4) List all documents created.

```
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("628f97ff361677d3eac70a99"),
  "Song Name" : "Thaniye Thannanthaniye",
  "Film" : "Rhythm",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Shankar mahadevan"
}

{
  "_id" : ObjectId("628f9886361677d3eac70a9a"),
  "Song Name" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}

{
  "_id" : ObjectId("628f9b18361677d3eac70a9b"),
  "Song Name" : "Roja Poonthottam",
  "Film" : "Kannukul Nilavu",
  "Music Director" : "Ilaiyaraaja",
  "Singer" : "Unnikrishnan,Anuradha Sriram"
}

{
  "_id" : ObjectId("628f9b18361677d3eac70a9c"),
  "Song Name" : "Vennilavae Vennilave Vinnaitaandi",
  "Film" : "Minsara Kanavu",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Hariharan,Sadhana Sargam"
}

{
  "_id" : ObjectId("628f9b18361677d3eac70a9d"),
  "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"}, {"Song Name":1, _id:0})  
{ "Song Name" : "Thaniye Thannanthaniye" }  
{ "Song Name" : "Evano Oruvan" }  
{ "Song Name" : "Vennilavae Vennilave Vinnaiyaandi" }  
> 
```

Page 4 of 4 32 words, 191 characters Default Style English (USA) T D C

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

```
> db.songdetails.find({"Music Director":"A.R.Rahuman", "Singer":"Unnikrishnan, Anuradha Sriram"})  
> 
```

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

```
> db.songdetails.remove({"Song Name":"Sollamal Thottu Chellum Thendral"})  
WriteResult({ "nRemoved" : 1 })  
> 
```

8) Add new song which is your favourite.

```
> db.songdetails.insert({"Song Name":"Nenje Ezhu","Film":"Mariyan","Music Director":"A.R.Rahuman","Singer":"A.R.Rahuman"})
WriteResult({ "nInserted" : 1 })
> █
```

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

```
> db.songdetails.find({"Film" : "Minsara Kanavu","Singer" : "Hariharan,Sadhana Sargam"},{"Song Name":1,_id:0})
{ "Song Name" : "Vennilavae Vennilave Vinnaihaandi" }
> █
```

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

```
> db.songdetails.find({},{"Singer":1,_id:0})
{ "Singer" : "Shankar mahadevan" }
{ "Singer" : "Swarnalatha" }
{ "Singer" : "Unnikrishnan,Anuradha Sriram" }
{ "Singer" : "Hariharan,Sadhana Sargam" }
{ "Singer" : "A.R.Rahuman" }
> █
```