

Ukistu02 – MongoDB Ex1

1. Create a Database called music?

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

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

```
admin    0.000GB  
config   0.000GB  
local    0.000GB  
music    0.000GB
```

2. Create a collection called songdetails?

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

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

3. Create the above 5 song documents?

```
>db.songdetails.insert([{"Song_Name":"Thaniye  
Thananthaniye","Film":"Rhythm","Music_Director":"A.R.Rahman","Singer":"S  
hankar 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  
Vinnaitaandi","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,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
```

4. List all documents created ?

```
>db.songdetails.find().pretty()
```

```
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("62905a97448f17e7ae82da06"),
  "Song_Name" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "Music_Director" : "A.R.Rahman",
  "Singer" : "Shankar Mahadevan"
}
{
  "_id" : ObjectId("62905a97448f17e7ae82da08"),
  "Song_Name" : "Roja Poonthottam",
  "Film" : "Kannukkul Nilavu",
  "Music_Director" : "Ilaiyaraaja",
  "Singer" : "Unnikrishnan, Anuradha Sriram"
}
{
  "_id" : ObjectId("62905a97448f17e7ae82da09"),
  "Song_Name" : "Vennilavae Vennilavae Vinnaihaandi",
  "Film" : "Minsara Kanavu",
  "Music_Director" : "A.R.Rahman",
  "Singer" : [
    "Hariharan",
    "Sadhana Sargam"
  ]
}
{
  "_id" : ObjectId("62905a97448f17e7ae82da0a"),
  "Song_Name" : "Sollamal Thottu Chellum Thendral",
  "Film" : "Dheena",
  "Music_Director" : "Yuvan shankar raja",
  "Singer" : "Hariharan"
}
{
  "_id" : ObjectId("62906deff5dd64a87f44607e"),
  "Song_Name" : "June Ponal July Katre",
  "Film" : "Unnale Unnale",
  "Music_Director" : "Harris Jayaraj",
  "Singer" : "Krish"
}
```

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

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

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

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

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

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

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

```
>db.songdetails.remove({"Song_Name":"Evano Oruvan","Film":"Alai Payuthey","Music_Director":"A.R.Rahman","Singer":"Swarnalatha"})  
WriteResult({ "nRemoved" : 1 })
```

```
> db.songdetails.remove({"Song_Name":"Evano Oruvan","Film":"Alai Payuthey","Music_Director":"A.R.Rahman","Singer":"Swarnalatha"})  
WriteResult({ "nRemoved" : 1 })  
>
```

8. Add new song which is your favourite ?

```
>db.songdetails.insert({"Song_Name":"June Ponal July Katre","Film":"Unnale Unnale","Music_Director":"Harris Jayaraj","Singer":"Krish"})
```

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 Vennilavae Vinnaitaandi" }
```

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

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

```
>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" : "Krish" }
>
```