

MONGODB IN-CLASS EXERCISE_01

1) Create a Database called music.

```
> use music  
> db
```

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

2) Create a collection called songdetails.

```
> db.createCollection("songdetails")
```

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

3) Create the above 5 song documents.

```
> db.songDetails.insert({"songName":"thaniye  
thannandhaniye","film":"rhythm","musicDirector":"AR  
Rahman","singer":"shankar mahadhevan"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.songDetails.insert({"songName":"evano  
oruvan","film":"alaipayudhe","musicDirector":"AR  
Rahman","singer":"swarnalatha"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.songDetails.insert({"songName":"Roja  
poondhottam","film":"kannukkul  
nilavu","musicDirector":"ilayaraja","singer":"unni krishnan"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.songDetails.insert({"songName":"vennilave  
vennilave","film":"minsara kanavu","musicDirector":"AR  
Rahman","singer":"Hariharan"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.songDetails.insert({"songName":"sollamal thottu  
sellum","film":"Dheena","musicDirector":"Yuvana shankar  
raja","singer":"Hariharan"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.songDetails.insert({"songName":"thaniye thannandhaniye","film":"rhythm","musicDirector":"AR Rahman","singer":"shankar mahadhevan"})
WriteResult({ "nInserted" : 1 })
> db.songDetails.insert({"songName":"evano oruvan","film":"alaipayudhe","musicDirector":"AR Rahman","singer":"swarnalatha"})
WriteResult({ "nInserted" : 1 })
> db.songDetails.insert({"songName":"Roja poondhottam","film":"kannukkul nilavu","musicDirector":"ilayaraja","singer":"unni krishnan"})
WriteResult({ "nInserted" : 1 })
> db.songDetails.insert({"songName":"vennilave vennilave","film":"minsara kanavu","musicDirector":"AR Rahman","singer":"Hariharan"})
WriteResult({ "nInserted" : 1 })
> db.songDetails.insert({"songName":"sollamal thottu sellum","film":"Dheena","musicDirector":"Yuvana shankar raja","singer":"Hariharan"})
WriteResult({ "nInserted" : 1 })
```

4) List all documents created.

> db.songDetails.find()

```
> db.songDetails.find()
{ "_id" : ObjectId("592413441949e01351753aae"), "songName" : "thaniye thannandhaniye", "film" : "rhythm", "musicDirector" : "AR Rahman", "singer" : "shankar mahadhevan" }
{ "_id" : ObjectId("592413681949e01351753ab0"), "songName" : "Roja poondhottam", "film" : "kannukkul nilavu", "musicDirector" : "ilayaraja", "singer" : "unni krishnan" }
{ "_id" : ObjectId("5924139f1949e01351753ab1"), "songName" : "vennilave vennilave", "film" : "minsara kanavu", "musicDirector" : "AR Rahman", "singer" : "Hariharan" }
{ "_id" : ObjectId("592413c21949e01351753ab2"), "songName" : "sollamal thottu sellum", "film" : "Dheena", "musicDirector" : "Yuvana shankar raja", "singer" : "Hariharan" }
{ "_id" : ObjectId("592415fd1949e01351753ab3"), "songName" : "Sirikadhey", "film" : "REMO", "musicDirector" : "Aniruth", "singer" : "saidhavi" }
```

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

> db.songDetails.find({"musicDirector":"AR Rahman"}, {"songName":1,_id:0})

```
> db.songDetails.find({"musicDirector":"AR Rahman"}, {"songName":1,_id:0})
{ "songName" : "thaniye thannandhaniye" }
{ "songName" : "evano oruvan" }
{ "songName" : "vennilave vennilave" }
```

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

> db.songDetails.find({"musicDirector":"AR Rahman","singer":"unni krishnan"}, {"songName":1,_id:0})

```
> db.songDetails.find({"musicDirector":"AR Rahman","singer":"unni krishnan"}, {"songName":1,_id:0})
```

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

> db.songDetails.remove({"songName":"evano oruvan","film":"alaipayudhe","musicDirector":"AR Rahman","singer":"swarnalatha"})

```
> db.songDetails.remove({"songName":"evano oruvan","film":"alaipayudhe","musicDirector":"AR Rahman","singer":"swarnalatha"})
WriteResult({ "nRemoved" : 1 })
```

8) Add new song which is your favourite.

```
> db.songDetails.insert  
({ "songName": "Sirikadhey", "film": "REMO", "musicDirector": "Aniruth", "singer": "saidhavi" })
```

```
> db.songDetails.insert({ "songName": "Sirikadhey", "film": "REMO", "musicDirector": "Aniruth", "singer": "saidhavi" })  
WriteResult({ "nInserted" : 1 })
```

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

```
> db.songDetails.find({ "film": "minsara  
kanavu", "singer": "Hariharan" }, { "songName": 1, _id: 0 })
```

```
> db.songDetails.find({ "film": "minsara kanavu", "singer": "Hariharan" }, { "songName": 1, _id: 0 })  
{ "songName" : "vennilave vennilave" }  
{ "songName" : "vennilave vennilave" }
```

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

```
> db.songDetails.find({}, { "singer": 1, _id: 0 })
```

```
{ "songName" : "vennilave vennilave" }  
> db.songDetails.find({}, { "singer": 1, _id: 0 })  
{ "singer" : "shankar mahadhevan" }  
{ "singer" : "unni krishnan" }  
{ "singer" : "Hariharan" }  
{ "singer" : "Hariharan" }  
{ "singer" : "saidhavi" }  
> █
```