

1) Create a Database called music.

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

2) Create a collection called songdetails.

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

3) Create the above 5 song documents.

```
> db.songdetails.insert([
  {SongName:"Thaniye Thananthaniye",Film:"Rhythm",MusicDirector:"A.R.Rahman",
  Singer:"Shankar mahadevan"},
  {SongName:"Evano Oruvan",Film:"Alai Payuthey",MusicDirector:"A.R.Rahman",
  Singer:"Swarnalatha"},
  {SongName:"Roja Poonthottam",Film:"Kannukkul Nilavu",MusicDirector:"Ilaiya
  raaja",Singer:"Unnikrishnan,Anuradha Sriram"},
  {SongName:"Vennilave Vennilave Vinnaithandi",Film:"Minsara Kanavu",MusicDirector:"A.R.Rahman",Singer:"Hariharan,Sadhana Sargam"},
  {SongName:"Sollamal Thottu Chellam Thenral",Film:"Dheena",MusicDirector:"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.music.find().pretty()
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("5d108e316a4613f0939801d3"),
  "SongName" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Shankar mahadevan"
}
{
  "_id" : ObjectId("5d108e316a4613f0939801d4"),
  "SongName" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}
{
  "_id" : ObjectId("5d108e316a4613f0939801d5"),
  "SongName" : "Roja Poonthottam",
  "Film" : "Kannukkul Nilavu",
  "MusicDirector" : "Ilaiyaraaja",
  "Singer" : "Unnikrishnan,Anuradha Sriram"
}
{
  "_id" : ObjectId("5d108e316a4613f0939801d6"),
  "SongName" : "Vennilave Vennilave Vinnaithandi",
  "Film" : "Minsara Kanavu",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Hariharan,Sadhana Sargam"
}
{
  "_id" : ObjectId("5d108e316a4613f0939801d7"),
  "SongName" : "Sollamal Thottu Chellam Thenral",
  "Film" : "Dheena",
  "MusicDirector" : "Yuvan Shankar Raja",
  "Singer" : "Hariharan"
}
```

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

```
> db.songdetails.find({MusicDirector:"A.R.Rahman"}).pretty()
{
  "_id" : ObjectId("5d108e316a4613f0939801d3"),
  "SongName" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Shankar mahadevan"
}
{
  "_id" : ObjectId("5d108e316a4613f0939801d4"),
  "SongName" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}
{
  "_id" : ObjectId("5d108e316a4613f0939801d6"),
  "SongName" : "Vennilave Vennilave Vinnaihandi",
  "Film" : "Minsara Kanavu",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Hariharan,Sadhana Sargam"
}
```

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

```
> db.songdetails.find({$and:[{MusicDirector:"A.R.Rahman"},{Singer:"Swarnalatha"}]}).pretty()
{
  "_id" : ObjectId("5d108e316a4613f0939801d4"),
  "SongName" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}
> db.songdetails.find({$and:[{MusicDirector:"A.R.Rahman"},{Singer:"Unnikrishnan"}]})
> |
```

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

```
> db.songdetails.remove({SongName:"Evano Oruvan"})
WriteResult({ "nRemoved" : 1 })
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("5d108e316a4613f0939801d3"),
  "SongName" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Shankar mahadevan"
}
{
  "_id" : ObjectId("5d108e316a4613f0939801d5"),
  "SongName" : "Roja Poonthottam",
  "Film" : "Kannukkul Nilavu",
  "MusicDirector" : "Ilaiyaraaja",
  "Singer" : "Unnikrishnan,Anuradha Sriram"
}
{
  "_id" : ObjectId("5d108e316a4613f0939801d6"),
  "SongName" : "Vennilave Vennilave Vinnaihandi",
  "Film" : "Minsara Kanavu",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Hariharan,Sadhana Sargam"
}
{
  "_id" : ObjectId("5d108e316a4613f0939801d7"),
  "SongName" : "Sollamal Thottu Chellam Thenral",
  "Film" : "Dheena",
  "MusicDirector" : "Yuvan Shankar Raja",
  "Singer" : "Hariharan"
}
```

8) Add new song which is your favourite.

```
> db.songdetails.insert({SongName:"Neethane Neethane",Film:"Mershal",MusicDirector:"A.R.Rahman"})
WriteResult({ "nInserted" : 1 })
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("5d108e316a4613f0939801d3"),
  "SongName" : "ThanIye Thananthaniye",
  "Film" : "Rhythm",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Shankar mahadevan"
}
{
  "_id" : ObjectId("5d108e316a4613f0939801d5"),
  "SongName" : "Roja Poonthottam",
  "Film" : "Kannukkul Nilavu",
  "MusicDirector" : "Ilaiyaraaja",
  "Singer" : "Unnikrishnan,Anuradha Sriram"
}
{
  "_id" : ObjectId("5d108e316a4613f0939801d6"),
  "SongName" : "Vennilave Vennilave Vinnaithandi",
  "Film" : "Minsara Kanavu",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Hariharan,Sadhana Sargam"
}
{
  "_id" : ObjectId("5d108e316a4613f0939801d7"),
  "SongName" : "Sollamal Thottu Chellam Thenral",
  "Film" : "Dheena",
  "MusicDirector" : "Yuvan Shankar Raja",
  "Singer" : "Hariharan"
}
{
  "_id" : ObjectId("5d11cb801ba645cf28cd118b"),
  "SongName" : "Neethane Neethane",
  "Film" : "Mershal",
  "MusicDirector" : "A.R.Rahman"
}
```

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

```
> db.songdetails.find({$and:[{Film:"Minsara Kanavu"},{Singer:"Hariharan,Sadhana Sargam"}]}).pretty()
{
  "SongName" : "Vennilave Vennilave Vinnaithandi",
  "Film" : "Minsara Kanavu",
  "Singer" : "Hariharan,Sadhana Sargam"
}
```

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

```
> db.songdetails.find({},{"_id":0,SongName:0,Film:0,MusicDirector:0}).pretty()
{ "Singer" : "Hariharan,Sadhana Sargam" }
{ "Singer" : "Hariharan" }
{ "Singer" : "Hariharan" }
> |
```