

MongoDB

1) Create a Database called music.

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

2) Create a collection called songdetails.

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

3) Create the above 5 song documents.

```
use music;
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 Vinnaithaandi','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'}])
```

4) List all documents created.

```
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("5b3ce39dc522639ae91eac8b"),
  "Song Name" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Shankar mahadevan"
}
{
  "_id" : ObjectId("5b3ce39dc522639ae91eac8c"),
  "Song Name" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}
{
  "_id" : ObjectId("5b3ce39dc522639ae91eac8d"),
  "Song Name" : "Roja Poonthottam",
  "Film" : "Kannukkul Nilavu",
  "Music Director" : "Ilaiyaraaja",
  "Singer" : "Unnikrishnan,Anuradha Sriram"
}
{
  "_id" : ObjectId("5b3ce39dc522639ae91eac8e"),
  "Song Name" : "Vennilavae Vennilavae Vinnaithaandi",
  "Film" : "Minsara Kanavu",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Hariharan,Sadhana Sargam"
}
{
  "_id" : ObjectId("5b3ce39dc522639ae91eac8f"),
  "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"})
{ "_id" : ObjectId("5b3ce39dc522639ae91eac8b"), "Song Name" : "Thaniye Thananthaniye", "Film" : "Rhythm", "Music Director" : "A.R.Rahman", "Singer" : "Shankar mahadevan" }
{ "_id" : ObjectId("5b3ce39dc522639ae91eac8c"), "Song Name" : "Evano Oruvan", "Film" : "Alai Payuthey", "Music Director" : "A.R.Rahman", "Singer" : "Swarnalatha" }
{ "_id" : ObjectId("5b3ce39dc522639ae91eac8e"), "Song Name" : "Vennilavae Vennilavae Vinnaithaandi", "Film" : "Minsara Kanavu", "Music Director" : "A.R.Rahman", "Singer" : "Hariharan,Sadhana Sargam" }
```

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

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

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

```
> db.songdetails.remove({"Song Name" : "Roja Poonthottam"})
WriteResult({ "nRemoved" : 1 })
```

8) Add new song which is your favourite.

```
> db.songdetails.insert({"Song Name" : "Unnale enaallum en jeevan"})
WriteResult({ "nInserted" : 1 })
```

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

```
> db.songdetails.find({"Film" : "Minsara Kanavu","Singer" : "Hariharan,Sadhana Sargam"})
{ "_id" : ObjectId("5b3ce39dc522639ae91eac8e"), "Song Name" : "Vennilavae Vennilavae Vinnaithaandi", "Film" : "Minsara Kanavu", "Music Director" : "A.R.Rahman", "Singer" : "Hariharan,Sadhana Sargam" }
```

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

```
> db.songdetails.find({},{'Singer':1,_id:0})
{ "Singer" : "Shankar mahadevan" }
{ "Singer" : "Swarnalatha" }
{ "Singer" : "Hariharan,Sadhana Sargam" }
{ "Singer" : "Hariharan" }
{ }
```