## 1) Create a Database called music.



```
> show dbs
admin      0.000GB
local      0.000GB
student    0.000GB
uki        0.000GB
> use music
switched to db music
> db
music
```
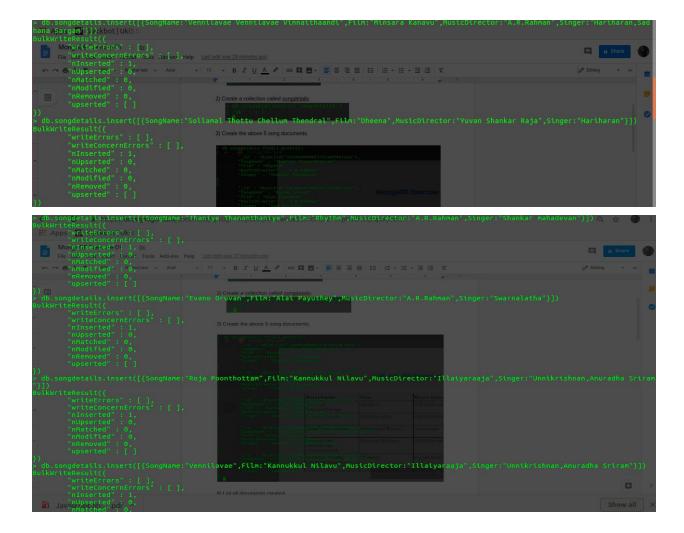
## 2) Create a collection called songdetails.



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

## 3) Create the above 5 song documents.



```
> db.songdetails.insert([{SongName:"Vennilavae Vennilavae Vinnaithaandi",Film:"Minsara Kanavu",MusicDirector:"A.R.Rahman",Singer:"Hariharan,Sadhana Sargam"}])
BulkWriteResult({
    "writeErrors" : [ ],
    "writeConcernErrors" : [ ],
    "nInserted" : 1,
    "nUpserted" : 0,
    "nMatched" : 0,
    "nModified" : 0,
    "nRemoved" : 0,
    "upserted" : [ ]
})
> db.songdetails.insert([{SongName:"Sollamal Thottu Chellum Thendral",Film:"Dheena",MusicDirector:"Yuvan Shankar Raja",Singer:"Hariharan"}])
BulkWriteResult({
    "writeErrors" : [ ],
    "writeConcernErrors" : [ ],
    "nInserted" : 1,
    "nUpserted" : 0,
    "nMatched" : 0,
    "nModified" : 0,
    "nRemoved" : 0,
    "upserted" : [ ]
})
```



```
> db.songdetails.insert([{SongName:"Thaniye Thananthaniye",Film:"Rhythm",MusicDirector:"A.R.Rahman",Singer:"Shankar Mahadevan"}])
BulkWriteResult({
    "writeErrors" : [ ],
    "writeConcernErrors" : [ ],
    "nInserted" : 1,
    "nUpserted" : 0,
    "nMatched" : 0,
    "nModified" : 0,
    "nRemoved" : 0,
    "upserted" : [ ]
})
> db.songdetails.insert([{SongName:"Evano Oruvan",Film:"Alai Payuthey",MusicDirector:"A.R.Rahman",Singer:"Swarnalatha"}])
BulkWriteResult({
    "writeErrors" : [ ],
    "writeConcernErrors" : [ ],
    "nInserted" : 1,
    "nUpserted" : 0,
    "nMatched" : 0,
    "nModified" : 0,
    "nRemoved" : 0,
    "upserted" : [ ]
})
> db.songdetails.insert([{SongName:"Roja Poonthottam",Film:"Kannukkul Nilavu",MusicDirector:"Illaiyaraaja",Singer:"Unnikrishnan,Anuradha Sriram"}])
BulkWriteResult({
    "writeErrors" : [ ],
    "writeConcernErrors" : [ ],
    "nInserted" : 1,
    "nUpserted" : 0,
    "nMatched" : 0,
    "nModified" : 0,
    "nRemoved" : 0,
    "upserted" : [ ]
})
> db.songdetails.insert([{SongName:"Vennilavae",Film:"Kannukkul Nilavu",MusicDirector:"Illaiyaraaja",Singer:"Unnikrishnan,Anuradha Sriram"}])
BulkWriteResult({
    "writeErrors" : [ ],
    "writeConcernErrors" : [ ],
    "nInserted" : 1,
    "nUpserted" : 0,
    "nMatched" : 0,
```

4) List all documents created.

```
> db.songdetails.find().pretty()
{
        "_id" : ObjectId("5d108a0966f3767a694e72ea"),
        "SongName" : "Thaniye Thananthaniye",
        "Film" : "Rhythm",
        "MusicDirector" : "A.R.Rahman",
        "Singer" : "Shankar mahadevan"
}
{
        "_id" : ObjectId("5d108a8c66f3767a694e72eb"),
        "SongName" : "Evano Oruvan",
        "Film" : "Alai Payuthey",
        "MusicDirector" : "A.R.Rahman",
        "Singer" : "Swarnalatha"
}
{
        "_id" : ObjectId("5d108b5166f3767a694e72ec"),
        "SongName" : "Roja Poonthottam",
        "Film" : "Kannukkul Nilavu",
        "MusicDirector" : "Illaiyaraaja",
        "Singer" : "Unnikrishnan,Anuradha Sriram"
}
{
        "_id" : ObjectId("5d108c1366f3767a694e72ee"),
        "SongName" : "Vennilavae Vennilavae Vinnaithaandi",
        "Film" : "Minsara Kanavu",
        "MusicDirector" : "A.R.Rahman",
        "Singer" : "Hariharan,Sadhana Sargam"
}
{
        "_id" : ObjectId("5d108c8766f3767a694e72ef"),
        "SongName" : "Sollamal Thottu Chellum Thendral",
        "Film" : "Dheena",
        "MusicDirector" : "Yuvan Shankar Raja",
        "Singer" : "Hariharan"
}
>
```

| Song Name | Film | Music Direc |
|---|---|---|
| Thaniye Thananthaniye | Rhythm | A.R.Rahman |
| Evano Oruvan | Alai Payuthey | A.R.Rahman |
| Roja Poonhottam | Kannukkul Nilavu | Ilaiyaraaja |
| Vennilavae Vennilavae Vinnaithaandi | Minsara Kanavu | A.R.Rahman |
| Sollamal Thottu Chellum Thendral | Dheena | Yuvan Shan |

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

```
> db.songdetails.find({"MusicDirector":"A.R.Rahman"}).pretty()
{
        "_id" : ObjectId("5d108a0966f3767a694e72ea"),
        "SongName" : "Thaniye Thananthaniye",
        "Film" : "Rhythm",
        "MusicDirector" : "A.R.Rahman",
        "Singer" : "Shankar mahadevan"
}
{
        "_id" : ObjectId("5d108a8c66f3767a694e72eb"),
        "SongName" : "Evano Oruvan",
        "Film" : "Alai Payuthey",
        "MusicDirector" : "A.R.Rahman",
        "Singer" : "Swarnalatha"
}
{
        "_id" : ObjectId("5d108c1366f3767a694e72ee"),
        "SongName" : "Vennilavae Vennilavae Vinnaithaandi",
        "Film" : "Minsara Kanavu",
        "MusicDirector" : "A.R.Rahman",
        "Singer" : "Hariharan,Sadhana Sargam"
}
>
```

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

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

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

8) Add new song which is your favourite.

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

List out the singers' names in your document.

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

```
> db.songdetails.find({"Singer":"Unnikrishnan,Anuradha Sriram"}).pretty()
{
        "_id" : ObjectId("5d108b5166f3767a694e72ec"),
        "SongName" : "Roja Poonthottam",
        "Film" : "Kannukkul Nilavu",
        "MusicDirector" : "Illaiyaraaja",
        "Singer" : "Unnikrishnan,Anuradha Sriram"
}
```
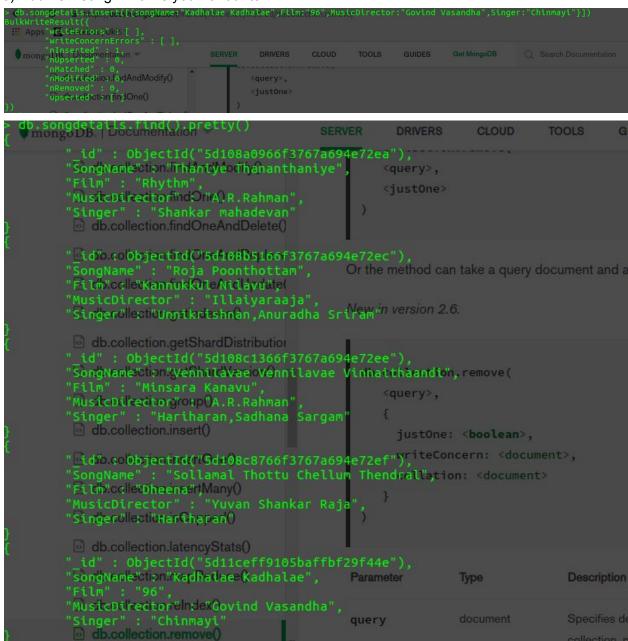
7) Delete the song which you don't like.

```
> db.songdetails.remove({SongName:"Evano Oruvan"})
WriteResult({ "nRemoved" : 1 })
> db.songdetails.find().pretty()
{
        "_id" : ObjectId("5d108a0966f3767a694e72ea"),
        "SongName" : "Thaniye Thananthaniye",
        "Film" : "Rhythm",
        "MusicDirector" : "A.R.Rahman",
        "Singer" : "Shankar mahadevan"
}
{
        "_id" : ObjectId("5d108b5166f3767a694e72ec"),
        "SongName" : "Roja Poonthottam",
        "Film" : "Kannukkul Nilavu",
        "MusicDirector" : "Illaiyaraaja",
        "Singer" : "Unnikrishnan,Anuradha Sriram"
}
{
        "_id" : ObjectId("5d108c1366f3767a694e72ee"),
        "SongName" : "Vennilavae Vennilavae Vinnaithaandi",
        "Film" : "Minsara Kanavu",
        "MusicDirector" : "A.R.Rahman",
        "Singer" : "Hariharan,Sadhana Sargam"
}
{
        "_id" : ObjectId("5d108c8766f3767a694e72ef"),
        "SongName" : "Sollamal Thottu Chellum Thendral",
        "Film" : "Dheena",
        "MusicDirector" : "Yuvan Shankar Raja",
        "Singer" : "Hariharan"
}
```

8) Add new song which is your favourite.

```
> db.songdetails.insert([{songName:"Kadhalae Kadhalae",Film:"96",MusicDirector:"Govind Vasandha",Singer:"Chinmayi"}])
BulkWriteResult({
    "writeErrors" : [ ],
    "writeConcernErrors" : [ ],
    "nInserted" : 1,
    "nUpserted" : 0,
    "nMatched" : 0,
    "nModified" : 0,
    "nRemoved" : 0,
    "upserted" : [ ]
})
```

```
> db.songdetails.find().pretty()
{
    "_id" : ObjectId("5d108a0966f3767a694e72ea"),
    "SongName" : "Thaniye Thananthaniye",
    "Film" : "Rhythm",
    "MusicDirector" : "A.R.Rahman",
    "Singer" : "Shankar mahadevan"
}
{
    "_id" : ObjectId("5d108b5166f3767a694e72ec"),
    "SongName" : "Roja Poonthottam",
    "Film" : "Kannukkule Nilavu",
    "MusicDirector" : "Illaiyaraaja",
    "Singer" : "Unnikrishnan,Anuradha Sriram"
}
{
    "_id" : ObjectId("5d108c1366f3767a694e72ee"),
    "SongName" : "Vennilavae Vennilavae Vinnaithaandi",
    "Film" : "Minsara Kanavu",
    "MusicDirector" : "A.R.Rahman",
    "Singer" : "Hariharan,Sadhana Sargam"
}
{
    "_id" : ObjectId("5d108c8766f3767a694e72ef"),
    "SongName" : "Sollamal Thottu Chellum Thendral",
    "Film" : "Dheena",
    "MusicDirector" : "Yuvan Shankar Raja",
    "Singer" : "Hariharan"
}
{
    "_id" : ObjectId("5d11ceff9105baffbf29f44e"),
    "SongName" : "Kadhalae Kadhalae",
    "Film" : "96",
    "MusicDirector" : "Govind Vasandha",
    "Singer" : "Chinmayi"
}
>
```

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

```
> db.songdetails.find({Film:"Minsara Kanavu"}).pretty()
{
        "_id" : ObjectId("5d108c1366f3767a694e72ee"),
        "SongName" : "Vennilavae Vennilavae Vinnaithaandi",
        "Film" : "Minsara Kanavu",
        "MusicDirector" : "A.R.Rahman",
        "Singer" : "Hariharan,Sadhana Sargam"
}
>
```

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

```
> db.songdetails.find({},{"_id":0,"Singer":1}).limit(3)
{ "Singer" : "Shankar mahadevan" }
{ "Singer" : "Unnikrishnan,Anuradha Sriram" }
{ "Singer" : "Hariharan,Sadhana Sargam" }
>
```