

1.Create a Database called music.

```
> use music
switched to db music
> db.createCollection("songdetails")
{ "ok" : 1 }
> db.songdetails.insert([{}])
```

2) Create a collection called songdetails.

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

3) Create the above 5 song documents.

```
Mon 14:38
arunya@arunya-HP-Pavilion-Laptop-15-cu1xxx: ~
> db.songdetails.insert([
  {SongName:"Thaniye Thananthaniye",Film:"Rhythn",MusicDirector:"A.R.Rahman",Singer:"Shankar mahadevan"},
  {SongName:"Evano Oruvan",Film:"Alai P ayuthey",MusicDirector:"A.R.Rahman",Singer:"Swarnalatha"},
  {SongName:"Roja Poonthottan",Film:"Kannukkul Nilavu",MusicDirector:"Ilaiyaraaja",Singer:"Unnikrishnan,Anura dha Sriram"},
  {SongName:"Vennilave Vennilave Vinnaithandi",Film:"Minsara Kanavu",MusicDirector:"A.R.Rahman",Singer:"Hariharan,Sadhana Sargam"},
  {SongName:"Sollamal Thottu Chellam Thenal",Film:"Dheena",MusicDirector:"Yuvan Shankar Raja",Singer:"Hariharan"}])
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 5,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
> db.songdetails.find().pretty()
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed0"),
  "SongName" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Shankar mahadevan"
}
{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed1"),
  "SongName" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}
{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed2"),
  "SongName" : "Roja Poonthottan",
  "Film" : "Kannukkul Nilavu",
  "MusicDirector" : "Ilaiyaraaja",
  "Singer" : "Unnikrishnan,Anuradha Sriram"
}
{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed3"),
  "SongName" : "Vennilave Vennilave Vinnaithandi",
  "Film" : "Minsara Kanavu",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Hariharan,Sadhana Sargam"
}
```

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

```
> [{"_id":"objectId(\"5d1092ce75cd506a52c82ed3\"),\"SongName\" : \"Vennilave Vennilave Vinnaithandi\", \"Film\" : \"Minsara Kanavu\", \"MusicDirector\" : \"A.R.Rahman\", \"Singer\" : \"Ha
ritharan,Sadhana Sargam\"}
2018-05-30T05:50:14.036+0530 E OUTDB [MongoDB-Server-Node-001:27020] {\"ok\":1,\"errmsg\":\"\",\"code\":0,\"codeName\":\"\"}
```

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

```

{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed2"),
  "SongName" : "Raja Poonthottam",
  "Film" : "Kannukkul Nilavu",
  "MusicDirector" : "Ilaiyaraaja",
  "Singer" : "Unnikrishnan,Anuradha Sritram"
}
{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed3"),
  "SongName" : "Vennilave Vennilave Vinnaithandi",
  "Film" : "Minsara Kanavu",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Hartharan,Sadhana Sargan"
}
{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed4"),
  "SongName" : "Sollanal Thottu Chellam Thenral",
  "Film" : "Dheena",
  "MusicDirector" : "Yuvan Shankar Raja",
  "Singer" : "Hartharan"
}
}
>

```

```

arunya@arunya-HP-Pavilion-Laptop-15-cu1xxx: ~
$ mongo
MongoDB shell version: 3.6.1
connect to arunya-HP-Pavilion-Laptop-15-cu1xxx:27017
use test
> use test
switched to db test
> db.songdetails.find({MusicDirector:"A.R.Rahman"}).pretty()
{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed0"),
  "SongName" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Shankar mahadevan"
}
{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed1"),
  "SongName" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}
{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed3"),
  "SongName" : "Vennilave Vennilave Vinnaithandi",
  "Film" : "Minsara Kanavu",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Hartharan,Sadhana Sargan"
}
> db.songdetails.find({$and:[{MusicDirector:"A.R.Rahman"},{Singer:Unnikrishnan}]})
2019-06-24T15:07:04.538+0530 E QUERY [thread1] SyntaxError: unterminated string literal @ (shell):1:75
> db.songdetails.find({$and:[{MusicDirector:"A.R.Rahman"},{Singer:Unnikrishnan}]})
2019-06-24T15:08:36.957+0530 E QUERY [thread1] SyntaxError: unterminated string literal @ (shell):1:75
> db.songdetails.find({$and:[{MusicDirector:"A.R.Rahman"},{Singer:Unnikrishnan}]})
2019-06-24T15:10:00.636+0530 E QUERY [thread1] SyntaxError: unterminated string literal @ (shell):1:76
> db.songdetails.find({$and:[{MusicDirector:"A.R.Rahman"},{Singer:"Unnikrishnan"}]})
{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed0"),
  "SongName" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Shankar mahadevan"
}
{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed1"),
  "SongName" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}
{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed3"),
  "SongName" : "Vennilave Vennilave Vinnaithandi",
  "Film" : "Minsara Kanavu",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Hartharan,Sadhana Sargan"
}
>

```

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

```

> db.songdetails.find({MusicDirector:"A.R.Rahman"}).pretty()
{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed0"),
  "SongName" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Shankar mahadevan"
}
{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed1"),
  "SongName" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}
{
  "_id" : ObjectId("5d1092ce75cd506a52c82ed3"),
  "SongName" : "Vennilave Vennilave Vinnaithandi",
  "Film" : "Minsara Kanavu",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Hartharan,Sadhana Sargan"
}
>

```

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

```

> [{"_id":"5d1092ce75cd506a52c82ed3"},"SongName" : "Vennilave Vennilave Vinnaithandi","Film" : "Minsara Kanavu","MusicDirector" : "A.R.Rahman","Singer" : "Hartharan,Sadhana Sargan"}]
2019-06-26T06:10:11.036+0530 E QUERY [thread1] SyntaxError: unterminated string literal @ (shell):1:16

```

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

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

```
2019-06-24T15:10:00.636+0530 E QUERY [thread1] SyntaxError: unterminated string literal @(:shell):1:76
> db.songdetails.find({$and:[{MusicDirector:"A.R.Rahman"},{Singer:"Unnikrishnan"}]})
> []
```

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

```
@(:shell):1:1
> db.songdetails.remove({"SongName":"Evano Oruvan"})
WriteResult({ "nRemoved" : 1 })
> []
```

8) Add new song which is your favourite.

```
}
> db.songdetails.insert({"SongName":"Varoevan","Film":"Thalva","MusicDirector":"Jeevi","Singer":"Jeevi"})
WriteResult({ "nInserted" : 1 })
> []
```

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

```
WriteResult({ "nInserted" : 1 })
> [{"_id":"objectId("5d1092ce75cd506a52c82ed3"), "SongName" : "Vennilave Vennilave Vinnalathandi", "Film" : "Minsara Kanavu", "MusicDirector" : "A.R.Rahman", "Singer" : "Ha
ritharan,Sadhana Sargam"}]
2019-06-26T05:50:44.036+0530 E QUERY [thread1] SyntaxError: Unexpected token '}' @(:shell):1:16
```

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