

1) Create a Database called music.

> use music

switched to db music

```
> use music
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>
```

2) Create a collection called songdetails.

> db.createCollection('songdetails')

{ "ok" : 1 }

```
switched to db music
> db.createCollection('songdetails')
{ "ok" : 1 }
> show dbs
admin      0.000GB
config     0.000GB
local      0.000GB
music      0.000GB
varun      0.000GB
>
```

3) Create the above 5 song documents.

```
> db.songdetails.insert([{'Song Name':'Thaniye
Thannanthaniye','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
Poonthoddam','Film':'Kannukkul Nilavu','Music
Director':'Ilaiyaraaja','Singer':'Unnikrishnan,Anuradha'},{'Song Name':'Vennilave Vennilave
Vinaithaandi','Film':'Minsaara Kanavu','Music Director':'A.R.Rahman','Singer':'Hariharan,Sadhana
Sargam'},{'Song Name':'Sollamal Thoddu Chellum','Film':'Dheena','Music Director':'Yuven Shankar
Raja','Singer':'Hariharan'}])
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 5,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
```

```
> db.songdetails.insert([{'Song Name':'Thaniye Thannanthaniye','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 Poonthoddam','Film':'Kann
ukkul Nilavu','Music Director':'Ilaiyaraaja','Singer':'Unnikrishnan,Anuradha'},{'Song Name':'Vennilave Vennilave Vinaithaandi','Film':'Minsaara
Kanavu','Music Director':'A.R.Rahman','Singer':'Hariharan,Sadhana Sargam'},{'Song Name':'Sollamal Thoddu Chellum','Film':'Dheena','Music Directo
r':'Yuven Shankar Raja','Singer':'Hariharan'}])
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 5,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
```

4) List all documents created.

> db.songdetails.find().pretty()

```

{
  "_id" : ObjectId("5b3cf41340530f557d7bc2a6"),
  "Song Name" : "Thaniye Thannanthaniye",
  "Film" : "Rhythm",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Shankar Mahadevan"
}
{
  "_id" : ObjectId("5b3cf41340530f557d7bc2a7"),
  "Song Name" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}
{
  "_id" : ObjectId("5b3cf41340530f557d7bc2a8"),
  "Song Name" : "Roja Poonthoddam",
  "Film" : "Kannukkul Nilavu",
  "Music Director" : "Illayaraaja",
  "Singer" : "Unnikrishnan,Anuradha"
}
{
  "_id" : ObjectId("5b3cf41340530f557d7bc2a9"),
  "Song Name" : "Vennilave Vennilave Vinaithaandi",
  "Film" : "Minsaara Kanavu",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Hariharan,Sadhana Sargam"
}
{
  "_id" : ObjectId("5b3cf41340530f557d7bc2aa"),
  "Song Name" : "Sollamal Thoddu Chellum",
  "Film" : "Dheena",
  "Music Director" : "Yuven Shankar Raja",
  "Singer" : "Hariharan"
}

```

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

```

> db.songdetails.find({'Music Director':'A.R.Rahman'})
{ "_id" : ObjectId("5b3cf41340530f557d7bc2a6"), "Song Name" : "Thaniye Thannanthaniye",
  "Film" : "Rhythm", "Music Director" : "A.R.Rahman", "Singer" : "Shankar Mahadevan" }
{ "_id" : ObjectId("5b3cf41340530f557d7bc2a7"), "Song Name" : "Evano Oruvan", "Film" : "Alai
  Payuthey", "Music Director" : "A.R.Rahman", "Singer" : "Swarnalatha" }
{ "_id" : ObjectId("5b3cf41340530f557d7bc2a9"), "Song Name" : "Vennilave Vennilave
  Vinaithaandi", "Film" : "Minsaara Kanavu", "Music Director" : "A.R.Rahman", "Singer" :
  "Hariharan,Sadhana Sargam" }

```

```

}
> db.songdetails.find({'Music Director':'A.R.Rahman'})
{ "_id" : ObjectId("5b3cf41340530f557d7bc2a6"), "Song Name" : "Thaniye Thannanthaniye", "Film" : "Rhythm", "Music Director" : "A.R.Rahman", "Singer" : "Shankar Mahadevan" }
{ "_id" : ObjectId("5b3cf41340530f557d7bc2a7"), "Song Name" : "Evano Oruvan", "Film" : "Alai Payuthey", "Music Director" : "A.R.Rahman", "Singer" : "Swarnalatha" }
{ "_id" : ObjectId("5b3cf41340530f557d7bc2a9"), "Song Name" : "Vennilave Vennilave Vinaithaandi", "Film" : "Minsaara Kanavu", "Music Director" : "A.R.Rahman", "Singer" : "Hariharan,Sadhana Sargam" }
>

```

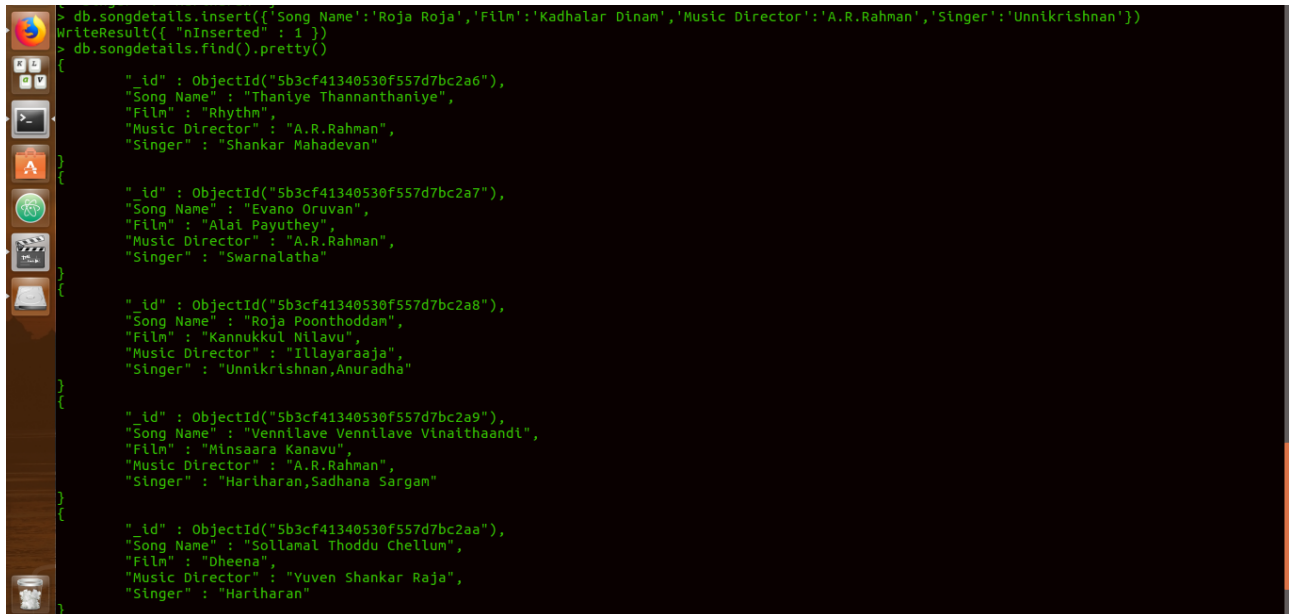
7) Delete the song which you don't like.

```
> db.songdetails.remove({'Film':'Dheena'})
WriteResult({ "nRemoved" : 1 })
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("5b3cf41340530f557d7bc2a6"),
  "Song Name" : "Thaniye Thannanthaniye",
  "Film" : "Rhythm",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Shankar Mahadevan"
}
{
  "_id" : ObjectId("5b3cf41340530f557d7bc2a7"),
  "Song Name" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}
{
  "_id" : ObjectId("5b3cf41340530f557d7bc2a8"),
  "Song Name" : "Roja Poonthoddam",
  "Film" : "Kannukkul Nilavu",
  "Music Director" : "Ilaiyaraaja",
  "Singer" : "Unnikrishnan,Anuradha"
}
{
  "_id" : ObjectId("5b3cf41340530f557d7bc2a9"),
  "Song Name" : "Vennilave Vennilave Vinaithaandi",
  "Film" : "Minsara Kanavu",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Hariharan,Sadhana Sargam"
}
{
  "_id" : ObjectId("5b3cfa5e40530f557d7bc2ab"),
  "Song Name" : "Roja Roja",
  "Film" : "Kadhalar Dinam",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Unnikrishnan"
}
```

A screenshot of a terminal window with a dark background. The terminal shows a series of MongoDB commands and their outputs. The first command is `db.songdetails.remove({'Film':'Dheena'})`, which returns `WriteResult({ "nRemoved" : 1 })`. The second command is `db.songdetails.find().pretty()`, which returns a JSON array of five song details. The songs listed are: 1. "Thaniye Thannanthaniye" from "Rhythm" by A.R. Rahman, sung by Shankar Mahadevan. 2. "Evano Oruvan" from "Alai Payuthey" by A.R. Rahman, sung by Swarnalatha. 3. "Roja Poonthoddam" from "Kannukkul Nilavu" by Ilaiyaraaja, sung by Unnikrishnan and Anuradha. 4. "Vennilave Vennilave Vinaithaandi" from "Minsara Kanavu" by A.R. Rahman, sung by Hariharan and Sadhana Sargam. 5. "Roja Roja" from "Kadhalar Dinam" by A.R. Rahman, sung by Unnikrishnan. The terminal window has a title bar that reads "ukistu04@ukipctu04: ~" and shows system icons on the right.

8) Add new song which is your favourite.


```
> db.songdetails.insert({'Song Name':'Roja Roja','Film':'Kadhalar Dinam','Music Director':'A.R.Rahman','Singer':'Unnikrishnan'})
WriteResult({ "nInserted" : 1 })
```



```
> db.songdetails.insert({'Song Name':'Roja Roja','Film':'Kadhalar Dinam','Music Director':'A.R.Rahman','Singer':'Unnikrishnan'})
WriteResult({ "nInserted" : 1 })
> db.songdetails.find().pretty()
{
  " id" : ObjectId("5b3cf41340530f557d7bc2a6"),
  "Song Name" : "Thaniye Thannanthaniye",
  "Film" : "Rhythm",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Shankar Mahadevan",
}
{
  " id" : ObjectId("5b3cf41340530f557d7bc2a7"),
  "Song Name" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Swarnalatha",
}
{
  " id" : ObjectId("5b3cf41340530f557d7bc2a8"),
  "Song Name" : "Roja Poonthodan",
  "Film" : "Kannukkul Nilavu",
  "Music Director" : "Illayaraja",
  "Singer" : "Unnikrishnan,Anuradha",
}
{
  " id" : ObjectId("5b3cf41340530f557d7bc2a9"),
  "Song Name" : "Vennilave Vennilave Vinalthaandi",
  "Film" : "Minsaara Kanavu",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Hariharan,Sadhana Sargam",
}
{
  " id" : ObjectId("5b3cf41340530f557d7bc2aa"),
  "Song Name" : "Sollamal Thoddu Chellum",
  "Film" : "Dheena",
  "Music Director" : "Yuven Shankar Raja",
  "Singer" : "Hariharan",
}
```

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

```
> db.songdetails.find({},{"Singer":1,_id:0}).sort({"Singer":-1})
{ "Singer" : "Unnikrishnan,Anuradha" }
{ "Singer" : "Swarnalatha" }
{ "Singer" : "Shankar Mahadevan" }
{ "Singer" : "Hariharan,Sadhana Sargam" }
{ "Singer" : "Hariharan" }
```



```
> db.songdetails.find({},{"Singer":1,_id:0}).sort({"Singer":-1})
{ "Singer" : "Unnikrishnan,Anuradha" }
{ "Singer" : "Swarnalatha" }
{ "Singer" : "Shankar Mahadevan" }
{ "Singer" : "Hariharan,Sadhana Sargam" }
{ "Singer" : "Hariharan" }
```

