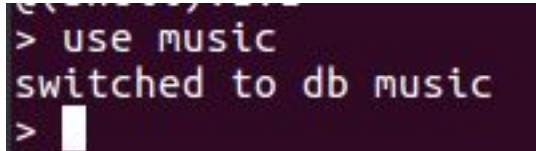


1)create a database called music.

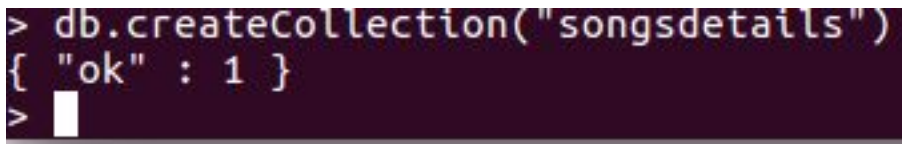
```
> use music  
switched to db music
```



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

2)create a collection called songsdetails.

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



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

3)create above the 5 song documents.

```
> db.songsdetails.insert([{"Song Name":"thaniye Thananthaniye","Film":"Rythm","Music  
Director":"A.R.Rahman","Singer":"Shankar Mahadevan"}, {"Song Name":"Evano  
Oruvan","Film":"Alai Payuthey","Music Director":"A.R.Rahman","Singer":"Swamalatha"}, {"Song  
Name":"Roja Poonthottam","Film":"KannukKul Nilavu","Music Director":"Illaiyaraaja","Singer":  
["Unnikrishnan", "Anuradha Sriram"]}, {"Song Name":"Vennilave Venillave  
Vennaithanandi","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"}])
```

```

ukistu01@ukipc01: ~
ger" : "Shankar mahadevan" }
{ "_id" : ObjectId("5c345211ca5eb8f682c5e490"), "Song Name" : "Evano Oruvan", "Film" : "Alai Payuthey", "Music Director" : "A.R.Rahman", "Singer" : "Swamalatha" }
{ "_id" : ObjectId("5c345211ca5eb8f682c5e492"), "Song Name" : "Vennilavae Vennilavae Vinnaiththandi", "Film" : "Kannukkul Nilavu", "Music Director" : "Illyaraaja", "Singer" : "Hariharan Sadhna Sargam" }
{ "_id" : ObjectId("5c345211ca5eb8f682c5e493"), "Song Name" : "Sollamal Thottu Chellum Thendral", "Film" : "Dheena", "Music Director" : "Yuva Shankar Raja", "Singer" : "Hariharan" }
{ "_id" : ObjectId("5c357eceaea9e89a1e2bba5f"), "Song Name" : "Thaniye Thananthaniye", "Film" : "Rhythm", "Music Director" : "A.R.Rahman", "Singer" : "Shankar mahadevan" }
{ "_id" : ObjectId("5c357eceaea9e89a1e2bba60"), "Song Name" : "Evano Oruvan", "Film" : "Alai Payuthey", "Music Director" : "A.R.Rahman", "Singer" : "Swamalatha" }
{ "_id" : ObjectId("5c357eceaea9e89a1e2bba62"), "Song Name" : "Vennilavae Vennilavae Vinnaiththandi", "Film" : "Kannukkul Nilavu", "Music Director" : "Illyaraaja", "Singer" : "Hariharan Sadhna Sargam" }
{ "_id" : ObjectId("5c357eceaea9e89a1e2bba63"), "Song Name" : "Sollamal Thottu Chellum Thendral", "Film" : "Dheena", "Music Director" : "Yuva Shankar Raja", "Singer" : "Hariharan" }
> db.songsdetails.drop()
true
> show dbs
admin      0.000GB
config     0.000GB
local      0.000GB
uk14       0.000GB
> use music
switched to db music
> db.createCollection("songsdetails")
{ "ok" : 1 }
> db.songsdetails.insert([{"Song Name":"thaniye Thananthaniye","Film":"Rythm","Music Director":"A.R.Rahman","Singer":"Shankar Mahadevan"}, {"Song Name":"Evano Oruvan","Film":"Alai Payuthey","Music Director":"A.R.Rahman","Singer":"Swamalatha"}, {"Song Name":"Raja Poonthottam","Film":"Kannukkul Nilavu","Music Director":"Illyaraaja","Singer":"Unnikrishnan,Anuradha Sriram"}, {"Song Name":"Vennilave Vennilave Vennaithanandi","Film":"Minsara Kanavu","Music Director":"A.R.Rahman","Singer":"Hariharan Sadhana Sargam"}, {"Song Name":"Sollamal Thottu Chellum Thendral","Film":"Dheena","Music Director":"Yuva Shankar Raja","Singer":"Hariharan"}])
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 5,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
>

```

4)List all documents created.

```

> db.songsdetails.find()
{ "_id" : ObjectId("5c345211ca5eb8f682c5e48f"), "Song Name" : "Thaniye Thananthaniye", "Film" : "Rhythm", "Music Director" : "A.R.Rahman", "Singer" : "Shankar mahadevan" }
{ "_id" : ObjectId("5c345211ca5eb8f682c5e490"), "Song Name" : "Evano Oruvan", "Film" : "Alai Payuthey", "Music Director" : "A.R.Rahman", "Singer" : "Swamalatha" }
{ "_id" : ObjectId("5c345211ca5eb8f682c5e491"), "Song Name" : "Raja Poonthottam", "Film" : "Kannukkul Nilavu", "Music Director" : "Unnikrishnan,Anuradha sriram" }
{ "_id" : ObjectId("5c345211ca5eb8f682c5e492"), "Song Name" : "Vennilavae Vennilavae Vinnaiththandi", "Film" : "Kannukkul Nilavu", "Music Director" : "Illyaraaja", "Singer" : "Hariharan Sadhna Sargam" }
{ "_id" : ObjectId("5c345211ca5eb8f682c5e493"), "Song Name" : "Sollamal Thottu Chellum Thendral", "Film" : "Dheena", "Music Director" : "Yuva Shankar Raja", "Singer" : "Hariharan" }
>

```

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

db.songsdetails.find({"Music Director":"A.R.Rahman"}).pretty()

```
ukistu01@ukipc01: ~  
ukistu01@ukipc01: ~  
ukistu01@ukipc01: ~  
{ " _id" : ObjectId("5c357eceaea9e89a1e2bba60"), "Song Name" : "Evano Oruvan", "Film" : "Alai Payuthey", "Music Director" : "A.R.Rahman", "Singer" : "Swamalatha" }  
{ " _id" : ObjectId("5c357eceaea9e89a1e2bba61"), "Song Name" : "Raja Poonthottam", "Film" : "Kannukkul Nilavu", "Music Director" : "Unnikrishnan", "Singer" : "Anuradha sriram" }  
{ " _id" : ObjectId("5c357eceaea9e89a1e2bba62"), "Song Name" : "Vennilavae Vennilavae Vinnaiththandi", "Film" : "Kannukkul Nilavu", "Music Director" : "Iliyaraaja", "Singer" : "Hariharan Sadhna Sargam" }  
{ " _id" : ObjectId("5c357eceaea9e89a1e2bba63"), "Song Name" : "Sollamal Thottu Chellum Thendral", "Film" : "Dheena", "Music Director" : "Yuvan Shankar Raja", "Singer" : "Hariharan" }  
> show collections  
songsdetails  
> db  
music  
> db.songsdetails.find({"Music Director":"A.R.Rahman"}).pretty()  
{  
  "_id" : ObjectId("5c345211ca5eb8f682c5e48f"),  
  "Song Name" : "Thanlye Thananthaniye",  
  "Film" : "Rhythm",  
  "Music Director" : "A.R.Rahman",  
  "Singer" : "Shankar mahadevan"  
}  
{  
  "_id" : ObjectId("5c345211ca5eb8f682c5e490"),  
  "Song Name" : "Evano Oruvan",  
  "Film" : "Alai Payuthey",  
  "Music Director" : "A.R.Rahman",  
  "Singer" : "Swamalatha"  
}  
{  
  "_id" : ObjectId("5c357eceaea9e89a1e2bba5f"),  
  "Song Name" : "Thanlye Thananthaniye",  
  "Film" : "Rhythm",  
  "Music Director" : "A.R.Rahman",  
  "Singer" : "Shankar mahadevan"  
}  
{  
  "_id" : ObjectId("5c357eceaea9e89a1e2bba60"),  
  "Song Name" : "Evano Oruvan",  
  "Film" : "Alai Payuthey",  
  "Music Director" : "A.R.Rahman",  
  "Singer" : "Swamalatha"  
}  
>
```

6)List Iliyaraaja's songs sung by Unnikrishnan.

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

```
> db.songsdetails.remove({"Song Name":"Raja Poonthottam"})
```

```
ukistu01@ukipc01: ~
"upserted" : [ ]
})
> db.songsdetails.drop()
true
> show dbs
admin      0.000GB
config     0.000GB
local      0.000GB
music      0.000GB
uk14       0.000GB
> show music
2019-01-11T12:35:33.486+0530 E QUERY [thread1] Error: don't know how to show [music] :
shellHelper.show@src/mongo/shell/utils.js:986:11
shellHelper@src/mongo/shell/utils.js:739:15
@(shellhelp2):1:1
> db.createCollection("songdetails")
{
  "ok" : 0,
  "errmsg" : "a collection 'music.songdetails' already exists",
  "code" : 48,
  "codeName" : "NamespaceExists"
}
> db.music.drop()
false
> use music
switched to db music
> db.songsdetails.find()
{ "_id" : ObjectId("5c383ed2068967aab4677ab4"), "Song Name" : "thaniye Thananthaniye", "Film" : "Rythm", "Music Director" : "A.R.Rahman", "Singer" : "Shankar Mahadevan" }
{ "_id" : ObjectId("5c383ed2068967aab4677ab5"), "Song Name" : "Evano Oruvan", "Film" : "Alai Payuthey", "Music Director" : "A.R.Rahman", "Singer" : "Swamalatha" }
{ "_id" : ObjectId("5c383ed2068967aab4677ab6"), "Song Name" : "Roja Poonthottam", "Film" : "Kannukkul Nilavu", "Music Director" : "Illaiyaraaja", "Singer" : "Unnikrishnan, Anuradha Sriman" }
{ "_id" : ObjectId("5c383ed2068967aab4677ab7"), "Song Name" : "Vennilave Venillave Vennaithanandi", "Film" : "Minsara Kanavu", "Music Director" : "A.R.Rahman", "Singer" : "Hariharan Sadhana Sargam" }
{ "_id" : ObjectId("5c383ed2068967aab4677ab8"), "Song Name" : "Sollamal Thottu Chellum Thendral", "Film" : "Dheena", "Music Director" : "Yuvan Shankar Raja", "Singer" : "Hariharan" }
> db.songsdetails.find({"Music Director":"A.R.Rahman"}).pretty()
2019-01-11T12:40:00.701+0530 E QUERY [thread1] SyntaxError: illegal character @(shell):1:21
> db.songsdetails.remove({"Song Name":"Roja Poonthottam"})
WriteResult({"nRemoved" : 1 })
>
```

8)Add new song which is your favourite.

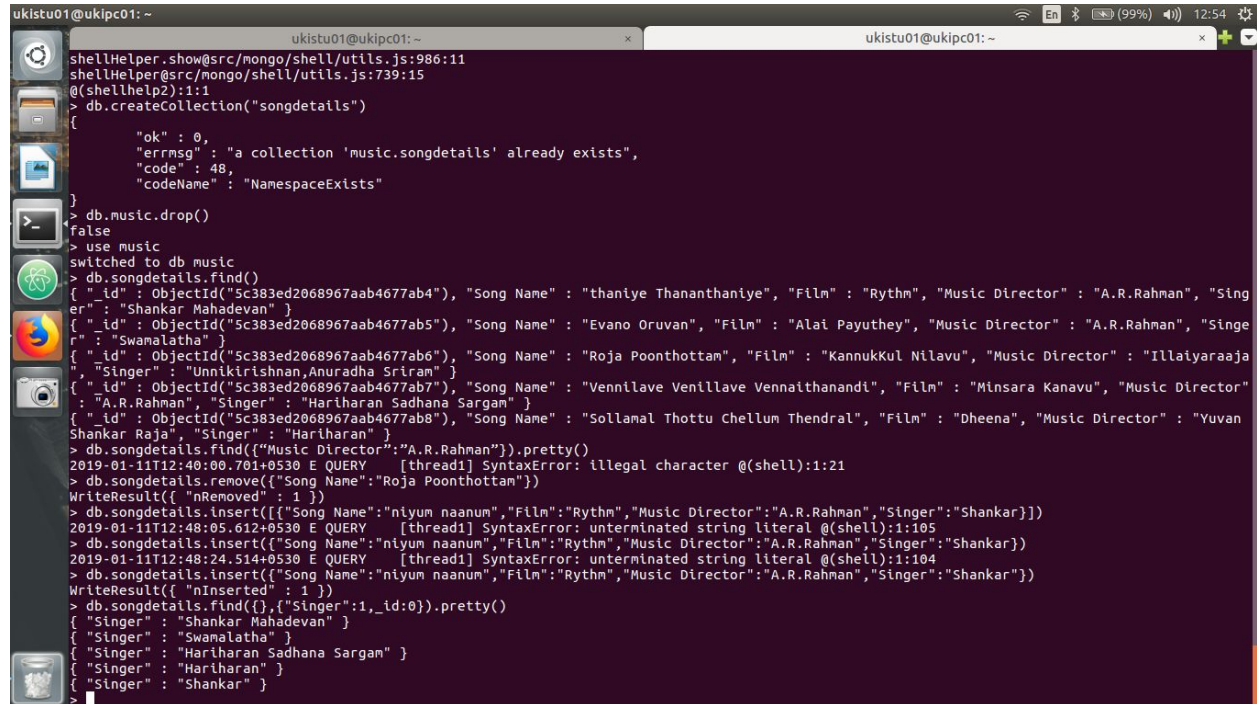
> db.songsdetails.insert({"Song Name":"niyum naanum","Film":"Rythm","Music Director":"A.R.Rahman","Singer":"Shankar"})

```
ukistu01@ukipc01: ~
config 0.000GB
local 0.000GB
music 0.000GB
uk14 0.000GB
> show music
2019-01-11T12:35:33.486+0530 E QUERY [thread1] Error: don't know how to show [music] :
shellHelper.show@src/mongo/shell/utils.js:986:11
shellHelper@src/mongo/shell/utils.js:739:15
@(shellhelp2):1:1
> db.createCollection("songdetails")
{
  "ok" : 0,
  "errmsg" : "a collection 'music.songdetails' already exists",
  "code" : 48,
  "codeName" : "NamespaceExists"
}
> db.music.drop()
false
> use music
switched to db music
> db.songsdetails.find()
{ "_id" : ObjectId("5c383ed2068967aab4677ab4"), "Song Name" : "thaniye Thananthaniye", "Film" : "Rythm", "Music Director" : "A.R.Rahman", "Singer" : "Shankar Mahadevan" }
{ "_id" : ObjectId("5c383ed2068967aab4677ab5"), "Song Name" : "Evano Oruvan", "Film" : "Alai Payuthey", "Music Director" : "A.R.Rahman", "Singer" : "Swamalatha" }
{ "_id" : ObjectId("5c383ed2068967aab4677ab6"), "Song Name" : "Roja Poonthottam", "Film" : "Kannukkul Nilavu", "Music Director" : "Illaiyaraaja", "Singer" : "Unnikrishnan, Anuradha Sriman" }
{ "_id" : ObjectId("5c383ed2068967aab4677ab7"), "Song Name" : "Vennilave Venillave Vennaithanandi", "Film" : "Minsara Kanavu", "Music Director" : "A.R.Rahman", "Singer" : "Hariharan Sadhana Sargam" }
{ "_id" : ObjectId("5c383ed2068967aab4677ab8"), "Song Name" : "Sollamal Thottu Chellum Thendral", "Film" : "Dheena", "Music Director" : "Yuvan Shankar Raja", "Singer" : "Hariharan" }
> db.songsdetails.find({"Music Director":"A.R.Rahman"}).pretty()
2019-01-11T12:40:00.701+0530 E QUERY [thread1] SyntaxError: illegal character @(shell):1:21
> db.songsdetails.remove({"Song Name":"Roja Poonthottam"})
WriteResult({"nRemoved" : 1 })
> db.songsdetails.insert({"Song Name":"niyum naanum","Film":"Rythm","Music Director":"A.R.Rahman","Singer":"Shankar"})
2019-01-11T12:48:05.612+0530 E QUERY [thread1] SyntaxError: unterminated string literal @(shell):1:105
> db.songsdetails.insert({"Song Name":"niyum naanum","Film":"Rythm","Music Director":"A.R.Rahman","Singer":"Shankar"})
2019-01-11T12:48:24.514+0530 E QUERY [thread1] SyntaxError: unterminated string literal @(shell):1:104
> db.songsdetails.insert({"Song Name":"niyum naanum","Film":"Rythm","Music Director":"A.R.Rahman","Singer":"Shankar"})
WriteResult({"nInserted" : 1 })
>
```


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

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

```
> db.songdetails.find({},{"Singer":1,_id:0}).pretty()
```



```
ukistu01@ukipc01: ~
shellHelper.show@src/mongo/shell/utils.js:986:11
shellHelper@src/mongo/shell/utils.js:739:15
@shellHelper2:1:1
> db.createCollection("songdetails")
{
  "ok" : 0,
  "errmsg" : "a collection 'music.songdetails' already exists",
  "code" : 48,
  "codeName" : "NamespaceExists"
}
> db.music.drop()
false
> use music
switched to db music
> db.songdetails.find()
{ "_id" : ObjectId("5c383ed2068967aab4677ab4"), "Song Name" : "thaniye Thananthaniye", "Film" : "Rythm", "Music Director" : "A.R.Rahman", "Singer" : "Shankar Mahadevan" }
{ "_id" : ObjectId("5c383ed2068967aab4677ab5"), "Song Name" : "Evano Oruvan", "Film" : "Alai Payuthey", "Music Director" : "A.R.Rahman", "Singer" : "Swamalatha" }
{ "_id" : ObjectId("5c383ed2068967aab4677ab6"), "Song Name" : "Roja Poonthottam", "Film" : "Kannukkul Nilavu", "Music Director" : "Illaiyaraaja", "Singer" : "Unnikrishnan,Anuradha Sritram" }
{ "_id" : ObjectId("5c383ed2068967aab4677ab7"), "Song Name" : "Vennilave Vennilave Vennaithanandi", "Film" : "Minsara Kanavu", "Music Director" : "A.R.Rahman", "Singer" : "Hariharan Sadhana Sargam" }
{ "_id" : ObjectId("5c383ed2068967aab4677ab8"), "Song Name" : "Sollamal Thottu Chellum Thendral", "Film" : "Dheena", "Music Director" : "Yuvan Shankar Raja", "Singer" : "Hariharan" }
> db.songdetails.find({"Music Director":"A.R.Rahman"}).pretty()
2019-01-11T12:40:00.701+0530 E QUERY [thread1] SyntaxError: illegal character @ (shell):1:21
> db.songdetails.remove({"Song Name":"Roja Poonthottam"})
WriteResult({ "nRemoved" : 1 })
> db.songdetails.insert([{"Song Name":"niyum naanum","Film":"Rythm","Music Director":"A.R.Rahman","Singer":"Shankar"}])
2019-01-11T12:48:05.612+0530 E QUERY [thread1] SyntaxError: unterminated string literal @ (shell):1:105
> db.songdetails.insert([{"Song Name":"niyum naanum","Film":"Rythm","Music Director":"A.R.Rahman","Singer":"Shankar"}])
2019-01-11T12:48:24.514+0530 E QUERY [thread1] SyntaxError: unterminated string literal @ (shell):1:104
> db.songdetails.insert([{"Song Name":"niyum naanum","Film":"Rythm","Music Director":"A.R.Rahman","Singer":"Shankar"}])
WriteResult({ "nInserted" : 1 })
> db.songdetails.find({},{"Singer":1,_id:0}).pretty()
{ "Singer" : "Shankar Mahadevan" }
{ "Singer" : "Swamalatha" }
{ "Singer" : "Hariharan Sadhana Sargam" }
{ "Singer" : "Hariharan" }
{ "Singer" : "Shankar" }
```