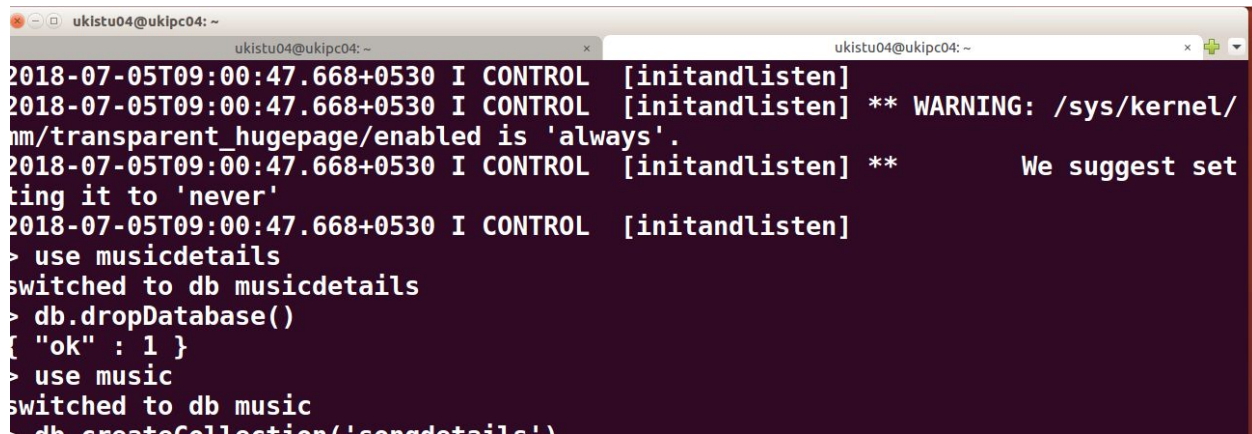
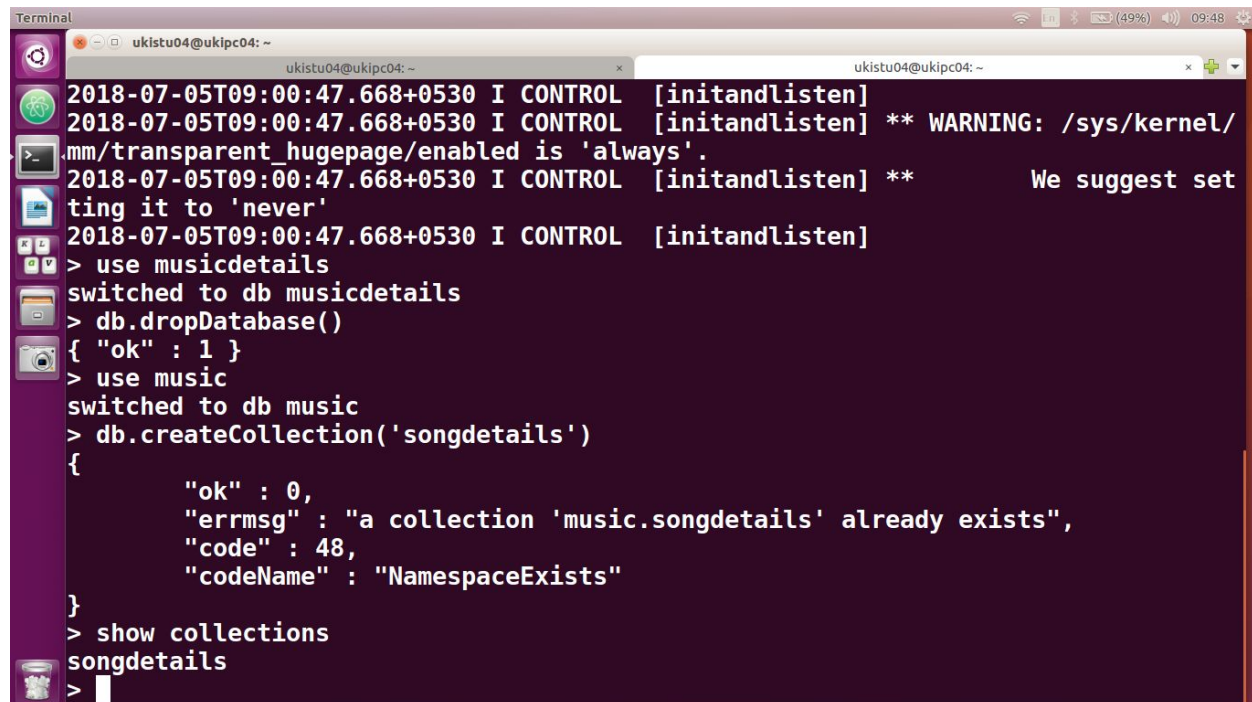


1) Create a Database called music.



```
ukistu04@ukipc04: ~  
2018-07-05T09:00:47.668+0530 I CONTROL [initandlisten]  
2018-07-05T09:00:47.668+0530 I CONTROL [initandlisten] ** WARNING: /sys/kernel/  
mm/transparent_hugepage/enabled is 'always'.  
2018-07-05T09:00:47.668+0530 I CONTROL [initandlisten] ** We suggest set  
ting it to 'never'  
2018-07-05T09:00:47.668+0530 I CONTROL [initandlisten]  
> use musicdetails  
switched to db musicdetails  
> db.dropDatabase()  
{ "ok" : 1 }  
> use music  
switched to db music  
> db.createCollection('songdetails')
```

2) Create a collection called songdetails.



```
Terminal  
ukistu04@ukipc04: ~  
2018-07-05T09:00:47.668+0530 I CONTROL [initandlisten]  
2018-07-05T09:00:47.668+0530 I CONTROL [initandlisten] ** WARNING: /sys/kernel/  
mm/transparent_hugepage/enabled is 'always'.  
2018-07-05T09:00:47.668+0530 I CONTROL [initandlisten] ** We suggest set  
ting it to 'never'  
2018-07-05T09:00:47.668+0530 I CONTROL [initandlisten]  
> use musicdetails  
switched to db musicdetails  
> db.dropDatabase()  
{ "ok" : 1 }  
> use music  
switched to db music  
> db.createCollection('songdetails')  
{  
  "ok" : 0,  
  "errmsg" : "a collection 'music.songdetails' already exists",  
  "code" : 48,  
  "codeName" : "NamespaceExists"  
}  
> show collections  
songdetails  
>
```

3) Create the above 5 song documents.

```
Terminal
ukistu04@ukipc04: ~
> show collections
songdetails
> db.songdetails.insert([{'SongName': 'Thaniye Thananthaniye', 'Film': 'Rhythm', 'MusicDirector': 'A.R.Rahman', 'Singer': 'Shankar mahadevan'}, {'SongName': 'Evano Oruvan', 'Film': 'Alai Payuthey', 'MusicDirector': 'A.R.Rahman', 'Singer': 'Swamalatha'}, {'SongName': 'Raja Poonthottam', 'Film': 'Kannukul Nilavu', 'MusicDirector': 'illayaraaja', 'Singer': 'Unnikrishnan, Anuradha Sirram'}, {'SongName': 'Vennilavae Vennilavae Vinn aithaandi', 'Film': 'Minsara Kanavu', 'MusicDirector': 'A.R.Rahman', 'Singer': 'Hariharan, Sadhana Sargam'}, {'SongName': 'Sollamal Thottu Chellum Thendral', 'Film': 'Dheena', 'MusicDirector': 'Yuvan Shankar Raja', 'Singer': 'Hariharan'}])
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 5,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
>
```

4) List all documents created.

```
ukistu04@ukipc04: ~
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("5924108735eb865c46dbe809"),
  "songname" : "thaniye thananthaniye",
  "film" : "rhythm",
  "musicdirector" : "ar.rahman",
  "singer" : "shankarmahadevan"
}
{
  "_id" : ObjectId("5924115635eb865c46dbe80b"),
  "songname" : "raja poonthottam",
  "film" : "kannukul nilavu",
  "musicdirector" : "ilayaraja",
  "singer" : "unnikrishnan"
}
{
  "_id" : ObjectId("5924125f35eb865c46dbe80c"),
  "songname" : "vennilave vennilave",
  "film" : "minsara kanavu",
  "musicdirector" : "ar.rahman",
  "singer" : "hariharan, sadanasarkam"
}
{
  "_id" : ObjectId("5924128735eb865c46dbe80d"),
  "songname" : "vennilave vennilave",
  "film" : "minsara kanavu",
  "musicdirector" : "ar.rahman",
  "singer" : "hariharan, sadanasarkam"
}
{
  "_id" : ObjectId("592412f335eb865c46dbe80e"),
  "songname" : "sollamal thottu",
  "film" : "dheena",
  "musicdirector" : "yuvanshankar raja",
  "singer" : "hariharan"
}
{
  "_id" : ObjectId("5924263d35eb865c46dbe80f"),
  "songname" : "evano oruvan",
  "film" : "alaipayuthe",
  "musicdirector" : "ar.rahman",
  "singer" : "swarnalatha"
}
{
  "_id" : ObjectId("5924264535eb865c46dbe810"),
  "songname" : "evano oruvan",
  "film" : "alaipayuthe",
  "musicdirector" : "ar.rahman",
  "singer" : "swarnalatha"
}
{
  "_id" : ObjectId("5b3d9e87785562f84f1f3a0a"), "songname" : "Thaniye" }
{
  "_id" : ObjectId("5b3da72fdaba6ddcd9e7daaf"),
  "SongName" : "Thaniye Thananthaniye",
}
```

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

```
> db.songdetails.find({'MusicDirector':'A.R.Rahman'})
{ "_id" : ObjectId("5b3db0d8daba6ddcd9e7dab4"), "SongName" : "Thaniye Thananthaniye", "Film" : "Rhythm", "MusicDirector" : "A.R.Rahman", "Singer" : "Shankar mahadevan" }
{ "_id" : ObjectId("5b3db0d8daba6ddcd9e7dab7"), "SongName" : "Vennilavae Vennilavae Vinnaithaandi", "Film" : "Minsara Kanavu", "MusicDirector" : "A.R.Rahman", "Singer" : "Hariharan,Sadhana Sargam" }
{ "_id" : ObjectId("5b3db1d6daba6ddcd9e7dab9"), "SongName" : "Thaniye Thananthaniye", "Film" : "Rhythm", "MusicDirector" : "A.R.Rahman", "Singer" : "Shankar mahadevan" }
{ "_id" : ObjectId("5b3db1d6daba6ddcd9e7daba"), "SongName" : "Evano Oruvan", "Film" : "Alai Payuthey", "MusicDirector" : "A.R.Rahman", "Singer" : "Swamalatha" }
{ "_id" : ObjectId("5b3db1d6daba6ddcd9e7dabc"), "SongName" : "Vennilavae Vennilavae Vinnaithaandi", "Film" : "Minsara Kanavu", "MusicDirector" : "A.R.Rahman", "Singer" : "Hariharan,Sadhana Sargam" }
>
```

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

```
db.songdetails.find({'MusicDirector':'A.R.Rahman','Singer':'Unnikrishnan,Anuradha Sirram'})
```

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

```
db.songdetails.find({'MusicDirector':'A.R.Rahman','Singer':'Unnikrishnan,Anuradha Sirram'})
db.songdetails.remove({'SongName':'Sollamal Thottu Chellum Thendral'})
writeResult({ "nRemoved" : 2 })
```

8) Add new song which is your favourite.

```
> db.songdetails.insert({'SongName':'Macho'})
WriteResult({ "nInserted" : 1 })
>
```

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

```
db.songdetails.find({'Singer':'Hariharan','Film':'Minsara Kanavu'})
{ "_id" : ObjectId("5b3db0d8daba6ddcd9e7dab7"), "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({}, {'Singer':1,_id:0})
{ "Singer" : "Shankar mahadevan" }
{ "Singer" : "Swamalatha" }
{ "Singer" : "Unnikrishnan,Anuradha Sirram" }
{ "Singer" : [ "Hariharan", "Sadhana Sargam" ] }
{ "Singer" : "Shankar mahadevan" }
{ "Singer" : "Swamalatha" }
{ "Singer" : "Unnikrishnan,Anuradha Sirram" }
{ "Singer" : [ "Hariharan", "Sadhana Sargam" ] }
{ "Singer" : "Sid Sirram" }
{ }
```