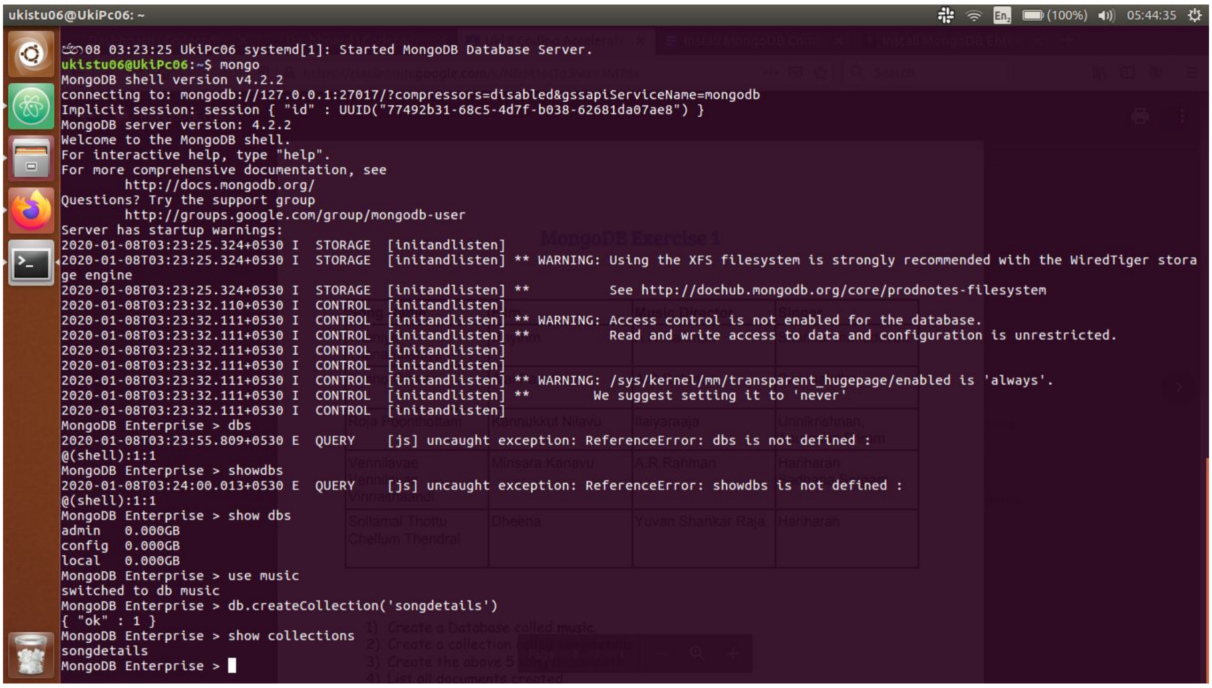
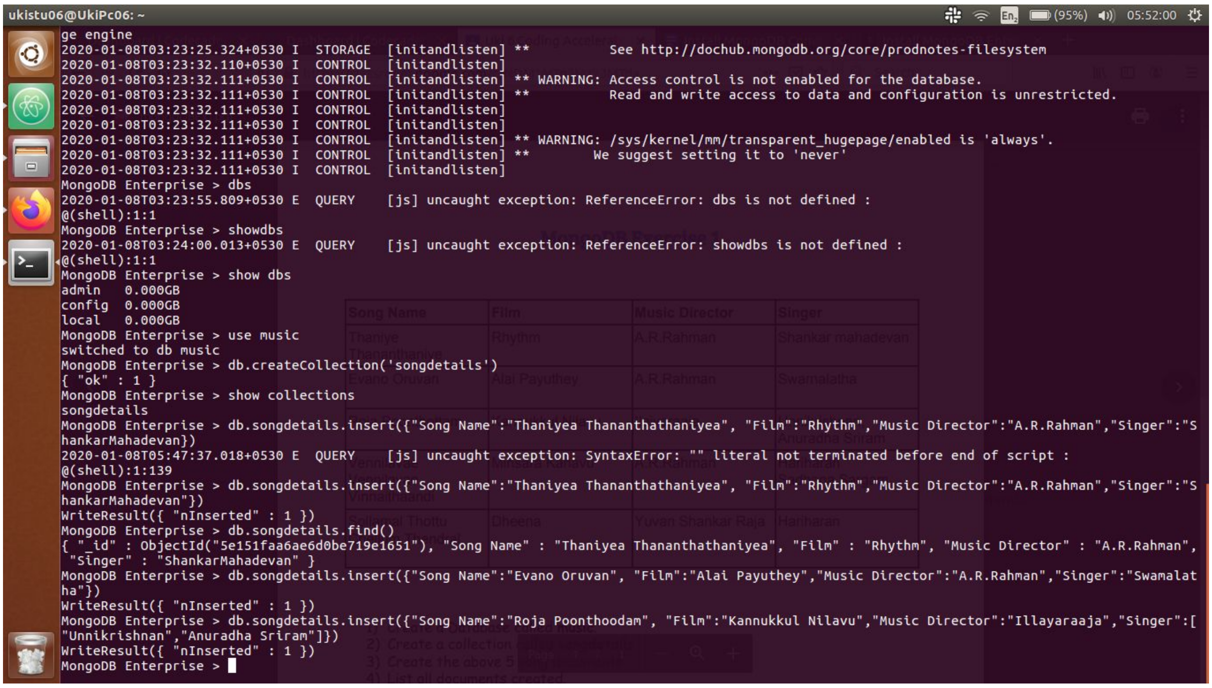
Answers for MongoDB questions

1. And 2.



```
08 03:23:25 UkiPc06 systemd[1]: Started MongoDB Database Server.
ukistu06@UkiPc06:~$ mongo
MongoDB shell version v4.2.2
connecting to: mongodb://127.0.0.1:27017/?compressors=disabled&gssapiServiceName=mongodb
Implicit session: session { "id" : UUID("77492b31-68c5-4d7f-b038-62681da07ae8") }
MongoDB server version: 4.2.2
Welcome to the MongoDB shell.
For interactive help, type "help".
For more comprehensive documentation, see
        http://docs.mongodb.org/
Questions? Try the support group
        http://groups.google.com/group/mongodb-user
Server has startup warnings:
2020-01-08T03:23:25.324+0530 I  STORAGE  [initandlisten]
2020-01-08T03:23:25.324+0530 I  STORAGE  [initandlisten] ** WARNING: Using the XFS filesystem is strongly recommended with the WiredTiger stora
ge engine
2020-01-08T03:23:25.324+0530 I  STORAGE  [initandlisten] **          See http://dochub.mongodb.org/core/prodnotes-filesystem
2020-01-08T03:23:32.110+0530 I  CONTROL  [initandlisten]
2020-01-08T03:23:32.111+0530 I  CONTROL  [initandlisten] ** WARNING: Access control is not enabled for the database.
2020-01-08T03:23:32.111+0530 I  CONTROL  [initandlisten] **          Read and write access to data and configuration is unrestricted.
2020-01-08T03:23:32.111+0530 I  CONTROL  [initandlisten]
2020-01-08T03:23:32.111+0530 I  CONTROL  [initandlisten]
2020-01-08T03:23:32.111+0530 I  CONTROL  [initandlisten] ** WARNING: /sys/kernel/mm/transparent_hugepage/enabled is 'always'.
2020-01-08T03:23:32.111+0530 I  CONTROL  [initandlisten] **        We suggest setting it to 'never'
2020-01-08T03:23:32.111+0530 I  CONTROL  [initandlisten]
MongoDB Enterprise > dbs
2020-01-08T03:23:55.809+0530 E  QUERY    [js] uncaught exception: ReferenceError: dbs is not defined :
@(shell):1:1
MongoDB Enterprise > showdbs
2020-01-08T03:24:00.013+0530 E  QUERY    [js] uncaught exception: ReferenceError: showdbs is not defined :
@(shell):1:1
MongoDB Enterprise > show dbs
admin   0.000GB
config  0.000GB
local   0.000GB
MongoDB Enterprise > use music
switched to db music
MongoDB Enterprise > db.createCollection('songdetails')
{ "ok" : 1 }
MongoDB Enterprise > show collections
songdetails
MongoDB Enterprise > █
```

3.



```
ge engine
2020-01-08T03:23:25.324+0530 I  STORAGE  [initandlisten] **          See http://dochub.mongodb.org/core/prodnotes-filesystem
2020-01-08T03:23:32.110+0530 I  CONTROL  [initandlisten]
2020-01-08T03:23:32.111+0530 I  CONTROL  [initandlisten] ** WARNING: Access control is not enabled for the database.
2020-01-08T03:23:32.111+0530 I  CONTROL  [initandlisten] **          Read and write access to data and configuration is unrestricted.
2020-01-08T03:23:32.111+0530 I  CONTROL  [initandlisten]
2020-01-08T03:23:32.111+0530 I  CONTROL  [initandlisten]
2020-01-08T03:23:32.111+0530 I  CONTROL  [initandlisten] ** WARNING: /sys/kernel/mm/transparent_hugepage/enabled is 'always'.
2020-01-08T03:23:32.111+0530 I  CONTROL  [initandlisten] **        We suggest setting it to 'never'
2020-01-08T03:23:32.111+0530 I  CONTROL  [initandlisten]
MongoDB Enterprise > dbs
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2020-01-08T03:24:00.013+0530 E  QUERY    [js] uncaught exception: ReferenceError: showdbs is not defined :
@(shell):1:1
MongoDB Enterprise > show dbs
admin   0.000GB
config  0.000GB
local   0.000GB
MongoDB Enterprise > use music
switched to db music
MongoDB Enterprise > db.createCollection('songdetails')
{ "ok" : 1 }
MongoDB Enterprise > show collections
songdetails
MongoDB Enterprise > db.songdetails.insert({"Song Name":"Thaniyea Thananthathaniyea", "Film":"Rhythm","Music Director":"A.R.Rahman","Singer":"S
hankarMahadevan})
2020-01-08T05:47:37.018+0530 E  QUERY    [js] uncaught exception: SyntaxError: "" literal not terminated before end of script :
@(shell):1:139
MongoDB Enterprise > db.songdetails.insert({"Song Name":"Thaniyea Thananthathaniyea", "Film":"Rhythm","Music Director":"A.R.Rahman","Singer":"S
hankarMahadevan"})
WriteResult({ "nInserted" : 1 })
MongoDB Enterprise > db.songdetails.find()
{ "_id" : ObjectId("5e151faa6ae6d0be719e1651"), "Song Name" : "Thaniyea Thananthathaniyea", "Film" : "Rhythm", "Music Director" : "A.R.Rahman",
 "Singer" : "ShankarMahadevan" }
MongoDB Enterprise > db.songdetails.insert({"Song Name":"Evano Oruvan", "Film":"Alai Payuthey","Music Director":"A.R.Rahman","Singer":"Swamalat
ha"})
WriteResult({ "nInserted" : 1 })
MongoDB Enterprise > db.songdetails.insert({"Song Name":"Roja Poonthoodam", "Film":"Kannukkul Nilavu","Music Director":"Illayaraaja","Singer":[
"Unnikrishnan","Anuradha Sriram"]})
WriteResult({ "nInserted" : 1 })
MongoDB Enterprise > █
```
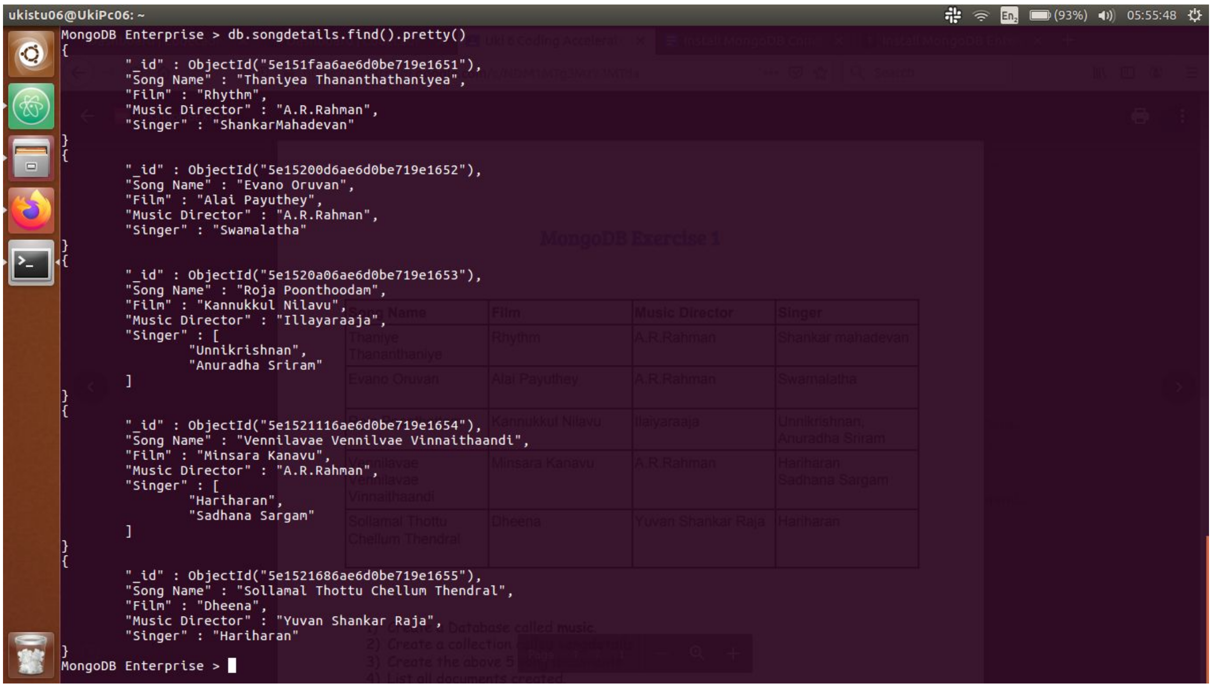
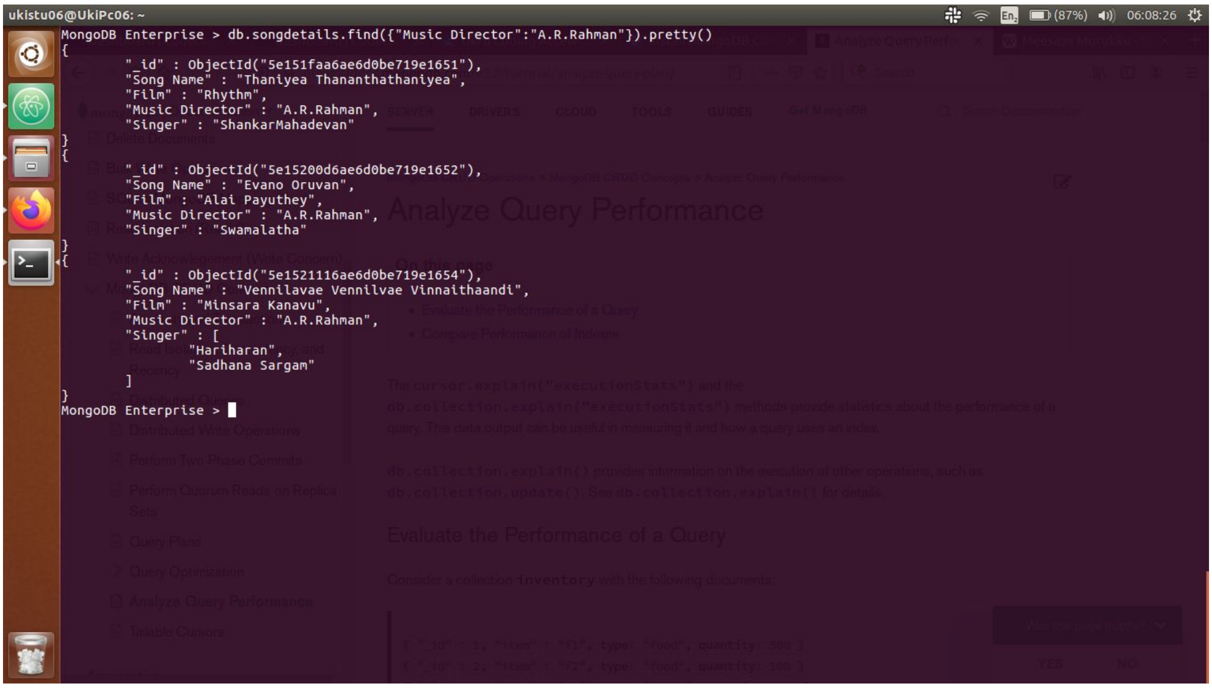

4.



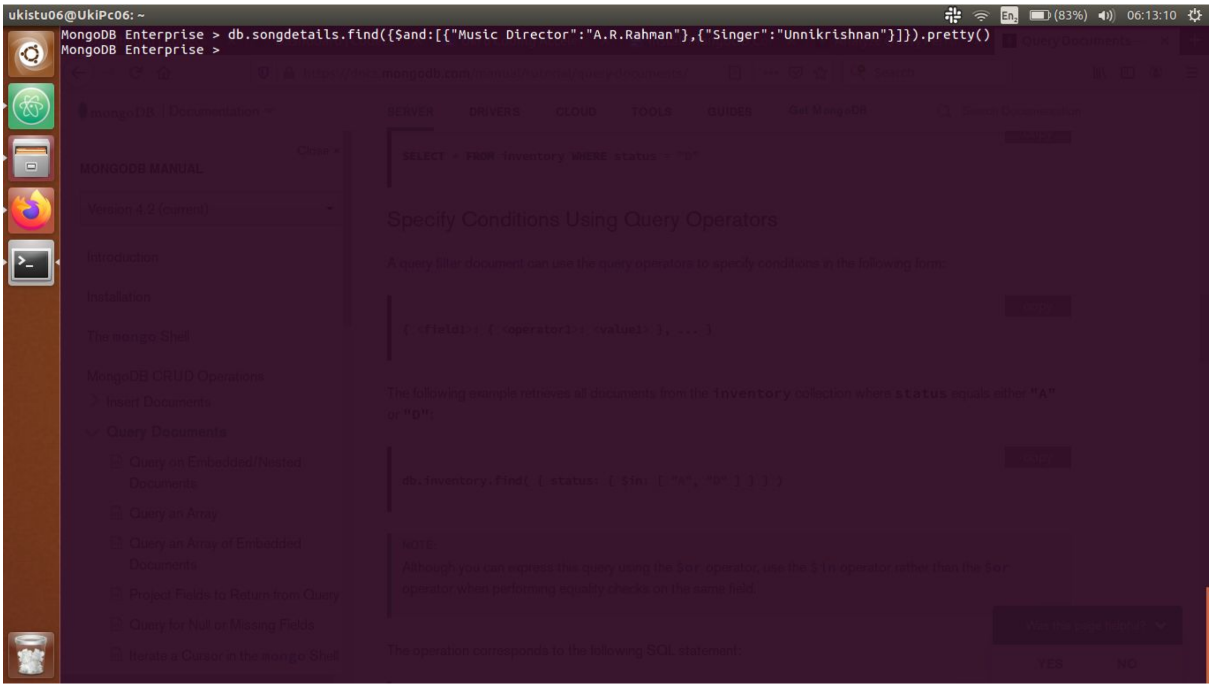
```
MongoDB Enterprise > db.songdetails.find().pretty()
{
        "_id" : ObjectId("5e151faa6ae6d0be719e1651"),
        "Song Name" : "Thaniyea Thananthathaniyea",
        "Film" : "Rhythm",
        "Music Director" : "A.R.Rahman",
        "Singer" : "ShankarMahadevan"
}
{
        "_id" : ObjectId("5e15200d6ae6d0be719e1652"),
        "Song Name" : "Evano Oruvan",
        "Film" : "Alai Payuthey",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Swamalatha"
}
{
        "_id" : ObjectId("5e1520a06ae6d0be719e1653"),
        "Song Name" : "Roja Poonthoodam",
        "Film" : "Kannukkul Nilavu",
        "Music Director" : "Illayaraaja",
        "Singer" : [
                "Unnikrishnan",
                "Anuradha Sriram"
        ]
}
{
        "_id" : ObjectId("5e1521116ae6d0be719e1654"),
        "Song Name" : "Vennilavae Vennilvae Vinnaithaandi",
        "Film" : "Minsara Kanavu",
        "Music Director" : "A.R.Rahman",
        "Singer" : [
                "Hariharan",
                "Sadhana Sargam"
        ]
}
{
        "_id" : ObjectId("5e1521686ae6d0be719e1655"),
        "Song Name" : "Sollamal Thottu Chellum Thendral",
        "Film" : "Dheena",
        "Music Director" : "Yuvan Shankar Raja",
        "Singer" : "Hariharan"
}
MongoDB Enterprise > █
```

5.



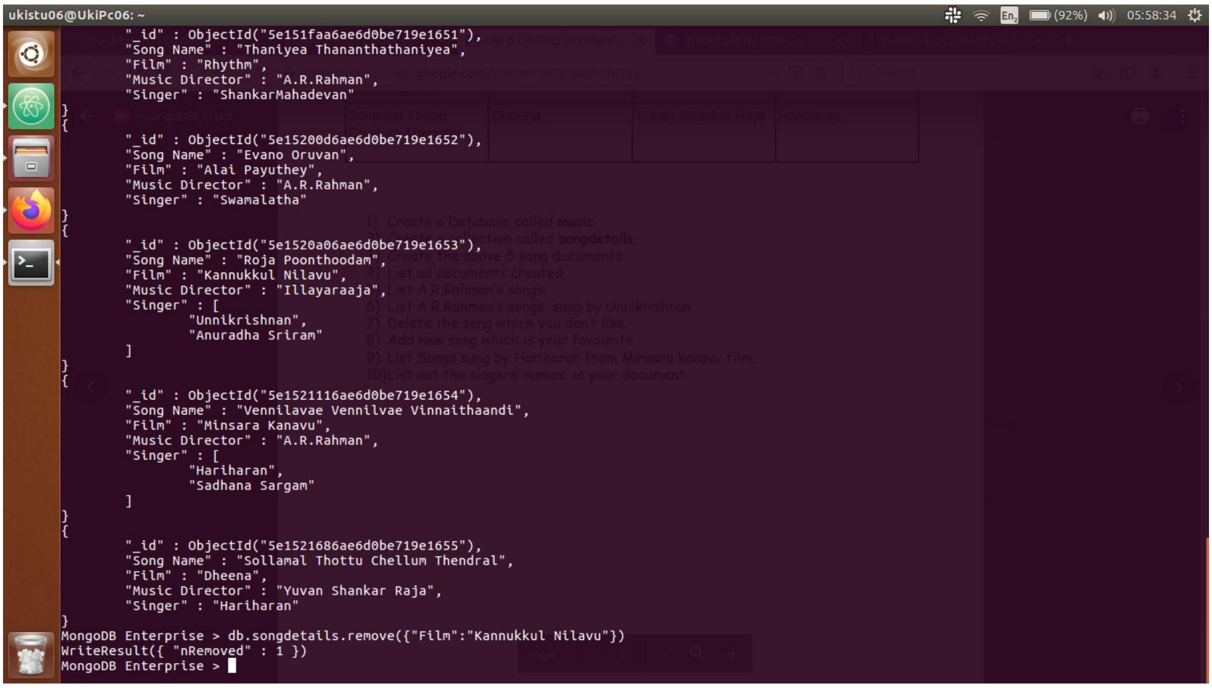
```
MongoDB Enterprise > db.songdetails.find({"Music Director":"A.R.Rahman"}).pretty()
{
        "_id" : ObjectId("5e151faa6ae6d0be719e1651"),
        "Song Name" : "Thaniyea Thananthathaniyea",
        "Film" : "Rhythm",
        "Music Director" : "A.R.Rahman",
        "Singer" : "ShankarMahadevan"
}
{
        "_id" : ObjectId("5e15200d6ae6d0be719e1652"),
        "Song Name" : "Evano Oruvan",
        "Film" : "Alai Payuthey",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Swamalatha"
}
{
        "_id" : ObjectId("5e1521116ae6d0be719e1654"),
        "Song Name" : "Vennilavae Vennilvae Vinnaithaandi",
        "Film" : "Minsara Kanavu",
        "Music Director" : "A.R.Rahman",
        "Singer" : [
                "Hariharan",
                "Sadhana Sargam"
        ]
}
MongoDB Enterprise > █
```

6.



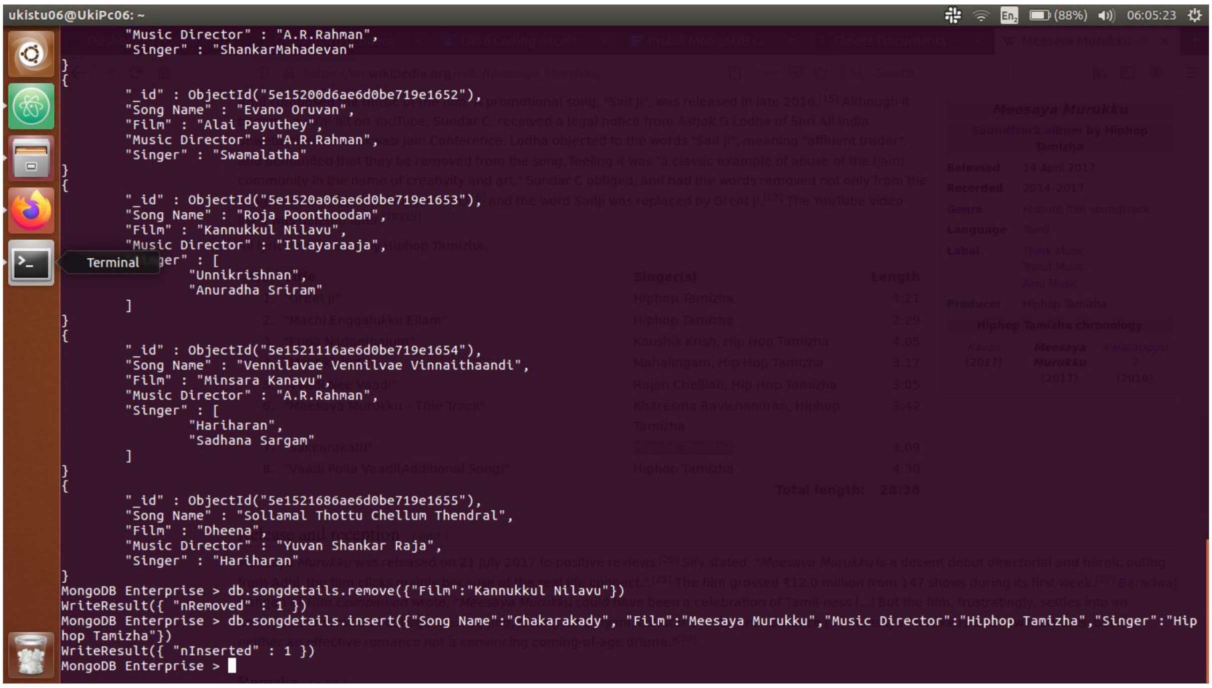
```
MongoDB Enterprise > db.songdetails.find({$and:[{"Music Director":"A.R.Rahman"},{"Singer":"Unnikrishnan"}]}).pretty()
MongoDB Enterprise >
```

7.



```
        "_id" : ObjectId("5e151faa6ae6d0be719e1651"),
        "Song Name" : "Thaniyea Thananthathaniyea",
        "Film" : "Rhythm",
        "Music Director" : "A.R.Rahman",
        "Singer" : "ShankarMahadevan"
}
{
        "_id" : ObjectId("5e15200d6ae6d0be719e1652"),
        "Song Name" : "Evano Oruvan",
        "Film" : "Alai Payuthey",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Swamalatha"
}
{
        "_id" : ObjectId("5e1520a06ae6d0be719e1653"),
        "Song Name" : "Roja Poonthoodam",
        "Film" : "Kannukkul Nilavu",
        "Music Director" : "Illayaraaja",
        "Singer" : [
                "Unnikrishnan",
                "Anuradha Sriram"
        ]
}
{
        "_id" : ObjectId("5e1521116ae6d0be719e1654"),
        "Song Name" : "Vennilavae Vennilvae Vinnaithaandi",
        "Film" : "Minsara Kanavu",
        "Music Director" : "A.R.Rahman",
        "Singer" : [
                "Hariharan",
                "Sadhana Sargam"
        ]
}
{
        "_id" : ObjectId("5e1521686ae6d0be719e1655"),
        "Song Name" : "Sollamal Thottu Chellum Thendral",
        "Film" : "Dheena",
        "Music Director" : "Yuvan Shankar Raja",
        "Singer" : "Hariharan"
}
MongoDB Enterprise > db.songdetails.remove({"Film":"Kannukkul Nilavu"})
WriteResult({ "nRemoved" : 1 })
MongoDB Enterprise > █
```

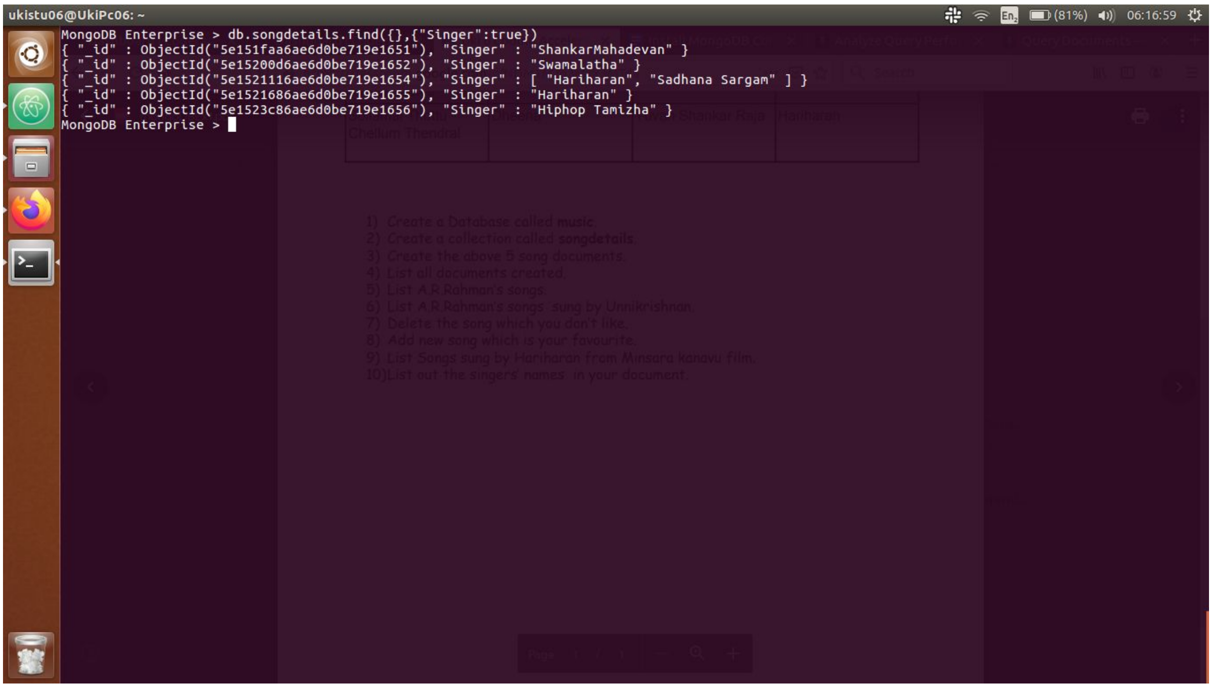
8.



```
        "Music Director" : "A.R.Rahman",
        "Singer" : "ShankarMahadevan"
}
{
        "_id" : ObjectId("5e15200d6ae6d0be719e1652"),
        "Song Name" : "Evano Oruvan",
        "Film" : "Alai Payuthey",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Swamalatha"
}
{
        "_id" : ObjectId("5e1520a06ae6d0be719e1653"),
        "Song Name" : "Roja Poonthoodam",
        "Film" : "Kannukkul Nilavu",
        "Music Director" : "Illayaraaja",
           ger" : [
                "Unnikrishnan",
                "Anuradha Sriram"
        ]
}
{
        "_id" : ObjectId("5e1521116ae6d0be719e1654"),
        "Song Name" : "Vennilavae Vennilvae Vinnaithaandi",
        "Film" : "Minsara Kanavu",
        "Music Director" : "A.R.Rahman",
        "Singer" : [
                "Hariharan",
                "Sadhana Sargam"
        ]
}
{
        "_id" : ObjectId("5e1521686ae6d0be719e1655"),
        "Song Name" : "Sollamal Thottu Chellum Thendral",
        "Film" : "Dheena",
        "Music Director" : "Yuvan Shankar Raja",
        "Singer" : "Hariharan"
}
MongoDB Enterprise > db.songdetails.remove({"Film":"Kannukkul Nilavu"})
WriteResult({ "nRemoved" : 1 })
MongoDB Enterprise > db.songdetails.insert({"Song Name":"Chakarakady", "Film":"Meesaya Murukku","Music Director":"Hiphop Tamizha","Singer":"Hip
hop Tamizha"})
WriteResult({ "nInserted" : 1 })
MongoDB Enterprise > 
```

9.

10.



```
MongoDB Enterprise > db.songdetails.find({},{"Singer":true})
{ "_id" : ObjectId("5e151faa6ae6d0be719e1651"), "Singer" : "ShankarMahadevan" }
{ "_id" : ObjectId("5e15200d6ae6d0be719e1652"), "Singer" : "Swamalatha" }
{ "_id" : ObjectId("5e1521116ae6d0be719e1654"), "Singer" : [ "Hariharan", "Sadhana Sargam" ] }
{ "_id" : ObjectId("5e1521686ae6d0be719e1655"), "Singer" : "Hariharan" }
{ "_id" : ObjectId("5e1523c86ae6d0be719e1656"), "Singer" : "Hiphop Tamizha" }
MongoDB Enterprise > 
```