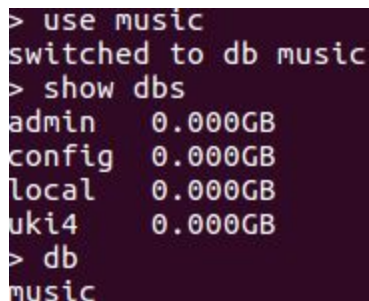


MongoDB Exercise 1

Q1.Create a Database called music.

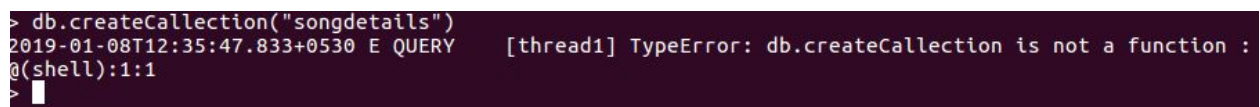
```
>use music
switched to db music
> show dbs
admin  0.000GB
config 0.000GB
local  0.000GB
uki4   0.000GB
> db
Music
```



```
> use music
switched to db music
> show dbs
admin    0.000GB
config   0.000GB
local    0.000GB
uki4     0.000GB
> db
music
```

Q2.Create a collection called songdetails.

```
>db.createCollection("songdetails")
2019-01-08T12:35:47.833+0530 E QUERY [thread1] TypeError:
db.createCollection is not a function :
@(shell):1:1
```



```
> db.createCollection("songdetails")
2019-01-08T12:35:47.833+0530 E QUERY [thread1] TypeError: db.createCollection is not a function :
@(shell):1:1
> █
```

Q3.Create the above 5 song documents.

```
> db.createCollection("songdetails")
```

```
2019-01-08T12:52:34.722+0530 E QUERY [thread1] TypeError:
```

```
db.createCollection is not a function :
```

```
@(shell):1:1
```

```
> db.songdetails.insert({"Songname":"Thaniye
```

```
Thannanthaneyey", "Film":"Rhythm", "MusicDirector":"A.R.Rahmam", "Singer":  
"Shangar Mahadevan"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.songdetails.insert({"Songname":"Evano
```

```
Oruvan", "Film":"Alaipaiuthey", "MusicDirector":"A.R.Rahmam", "Singer":"Sw  
arnalatha"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.songdetails.insert({"Songname":"Roja Poonthodam", "Film":"Kannukul  
Nilavu", "MusicDirector":"Illaiyaraja", "Singer":"UniKrishnan, Anuratha  
Sriram"})
```

```
WriteResult({ "nInserted" : 1 })
```

```
> db.songdetails.insert({"Songname":"Venilave venilave
```

```
Vinaithadi", "Film":"Minsara
```

```
Kanavu", "MusicDirector":"A.R.Rahmam", "Singer":"Hariharan, Sadhana  
Sargam"})
```

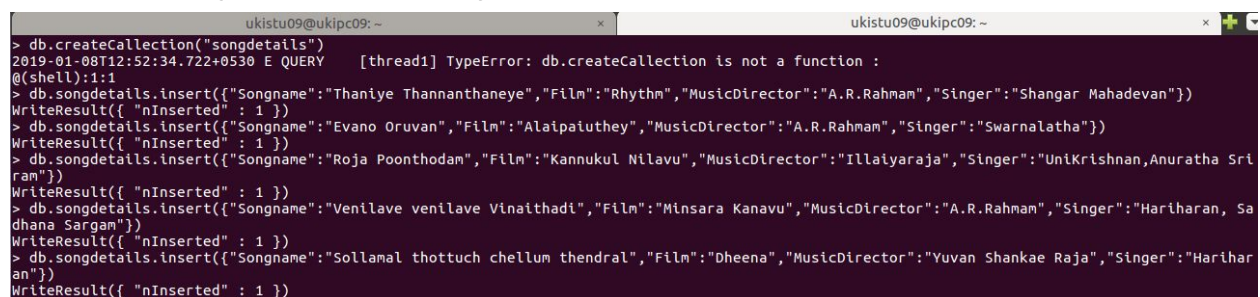
```
WriteResult({ "nInserted" : 1 })
```

```
> db.songdetails.insert({"Songname":"Sollamal thottuch chellum
```

```
thendral", "Film":"Dheena", "MusicDirector":"Yuvan Shankae
```

```
Raja", "Singer":"Hariharan"})
```

```
WriteResult({ "nInserted" : 1 })
```



```
ukistu09@ukipc09: ~  
> db.createCollection("songdetails")  
2019-01-08T12:52:34.722+0530 E QUERY [thread1] TypeError: db.createCollection is not a function :  
@(shell):1:1  
> db.songdetails.insert({"Songname":"Thaniye Thannanthaneyey", "Film":"Rhythm", "MusicDirector":"A.R.Rahmam", "Singer":"Shangar Mahadevan"})  
WriteResult({ "nInserted" : 1 })  
> db.songdetails.insert({"Songname":"Evano Oruvan", "Film":"Alaipaiuthey", "MusicDirector":"A.R.Rahmam", "Singer":"Swarnalatha"})  
WriteResult({ "nInserted" : 1 })  
> db.songdetails.insert({"Songname":"Roja Poonthodam", "Film":"Kannukul Nilavu", "MusicDirector":"Illaiyaraja", "Singer":"UniKrishnan, Anuratha Sri  
ram"})  
WriteResult({ "nInserted" : 1 })  
> db.songdetails.insert({"Songname":"Venilave venilave Vinaithadi", "Film":"Minsara Kanavu", "MusicDirector":"A.R.Rahmam", "Singer":"Hariharan, Sa  
dhana Sargam"})  
WriteResult({ "nInserted" : 1 })  
> db.songdetails.insert({"Songname":"Sollamal thottuch chellum thendral", "Film":"Dheena", "MusicDirector":"Yuvan Shankae Raja", "Singer":"Harihar  
an"})  
WriteResult({ "nInserted" : 1 })
```

Q4.List all documents created.

```
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("5c344fe03ae02f1f774eafe8"),
  "Songname" : "Thaniye Thannanthaney",
  "Film" : "Rhythm",
  "MusicDirector" : "A.R.Rahmam",
  "Singer" : "Shangar Mahadevan"
}
{
  "_id" : ObjectId("5c344ff43ae02f1f774eafe9"),
  "Songname" : "Evano Oruvan",
  "Film" : "Alaipaiuthey",
  "MusicDirector" : "A.R.Rahmam",
  "Singer" : "Swarnalatha"
}
{
  "_id" : ObjectId("5c3450043ae02f1f774eafea"),
  "Songname" : "Roja Poonthodam",
  "Film" : "Kannukul Nilavu",
  "MusicDirector" : "Ilaiyaraja",
  "Singer" : "UniKrishnan,Anuratha Sriram"
}
{
  "_id" : ObjectId("5c3450153ae02f1f774eafeb"),
  "Songname" : "Venilave venilave Vinaithadi",
  "Film" : "Minsara Kanavu",
  "MusicDirector" : "A.R.Rahmam",
  "Singer" : "Hariharan, Sadhana Sargam"
}
{
  "_id" : ObjectId("5c3450233ae02f1f774eafec"),
```

```
"Songname" : "Sollamal thottuch chellum thendral",  
"Film" : "Dheena",  
"MusicDirector" : "Yuvan Shankae Raja",  
"Singer" : "Hariharan"  
}
```

```
ukistu09@ukipc09: ~  
> db.songdetails.find().pretty()  
{  
  "_id" : ObjectId("5c344fe03ae02f1f774eafe8"),  
  "Songname" : "Thaniye Thannanthaneyey",  
  "Film" : "Rhythm",  
  "MusicDirector" : "A.R.Rahman",  
  "Singer" : "Shangar Mahadevan"  
}  
{  
  "_id" : ObjectId("5c344ff43ae02f1f774eafe9"),  
  "Songname" : "Evano Oruvan",  
  "Film" : "Alaipaiuthey",  
  "MusicDirector" : "A.R.Rahman",  
  "Singer" : "Swarnalatha"  
}  
{  
  "_id" : ObjectId("5c3450043ae02f1f774eafea"),  
  "Songname" : "Raja Poonthodam",  
  "Film" : "Kannukul Nilavu",  
  "MusicDirector" : "Illaiyaraja",  
  "Singer" : "UniKrishnan,Anuratha Sriram"  
}  
{  
  "_id" : ObjectId("5c3450153ae02f1f774eafeb"),  
  "Songname" : "Venilave venilave Vinaithadi",  
  "Film" : "Minsara Kanavu",  
  "MusicDirector" : "A.R.Rahman",  
  "Singer" : "Hariharan, Sadhana Sargam"  
}  
{  
  "_id" : ObjectId("5c3450233ae02f1f774eafec"),  
  "Songname" : "Sollamal thottuch chellum thendral",  
  "Film" : "Dheena",  
  "MusicDirector" : "Yuvan Shankae Raja",  
  "Singer" : "Hariharan"  
}
```

Q5.List A.R.Rahman's songs.

```
> db.songsdetails.find({"Music Director":"A.R.Rahman"},{"Music Director":1,_id:0}).pretty()
{ "Music Director" : "A.R.Rahman" }
{ "Music Director" : "A.R.Rahman" }
{ "Music Director" : "A.R.Rahman" }
```

Q6.List Ilaiyaraaja songs sung by Unnikrishnan

```
> db.songsdetails.find({"Music Director":"Ilaiyaraaja","Singer":"Unnikrishnan"},{"SongName":1,_id:0}).pretty()
{ "SongName" : "Roja Poonthottam" }
```

Q7.Delete the song which you don't like.

```
> db.songsdetails.remove({"SongName" : "Vennilavae Vennilavae Vinnaithaandi"})
writeResult({ "nRemoved" : 2 })
```

Q8. Add new song which is your favourite.

```
> db.songsdetails.insert({"SongName":"Vennilavae Vennilavae Vinnaithaandi","Film":"Minsara Kanavu","Music Director":"A.R.Rahman","Singer":["Hariharan","Sadhana Sargam"]})
writeResult({ "nInserted" : 1 })
```

Q9.List Songs sung by Hariharan from Minsara kanavu film.

```
> db.songsdetails.find({"Film":"Minsara Kanavu","Singer":"Hariharan"},{"SongName":1,_id:0}).pretty()
{ "SongName" : "Vennilavae Vennilavae Vinnaithaandi" }
```

Q10. List out the singers' names in your document.

```
> db.songsdetails.find({}, {"Singer":1, _id:0}).pretty()
{ "Singer" : "Shankar mahadevan" }
{ "Singer" : "Hariharan" }
{ "Singer" : [ "Unnikrishnan", "Anuradha Sriram" ] }
{ "Singer" : "Sarnalatha" }
{ "Singer" : [ "Hariharan", "Sadhana Sargam" ] }
```