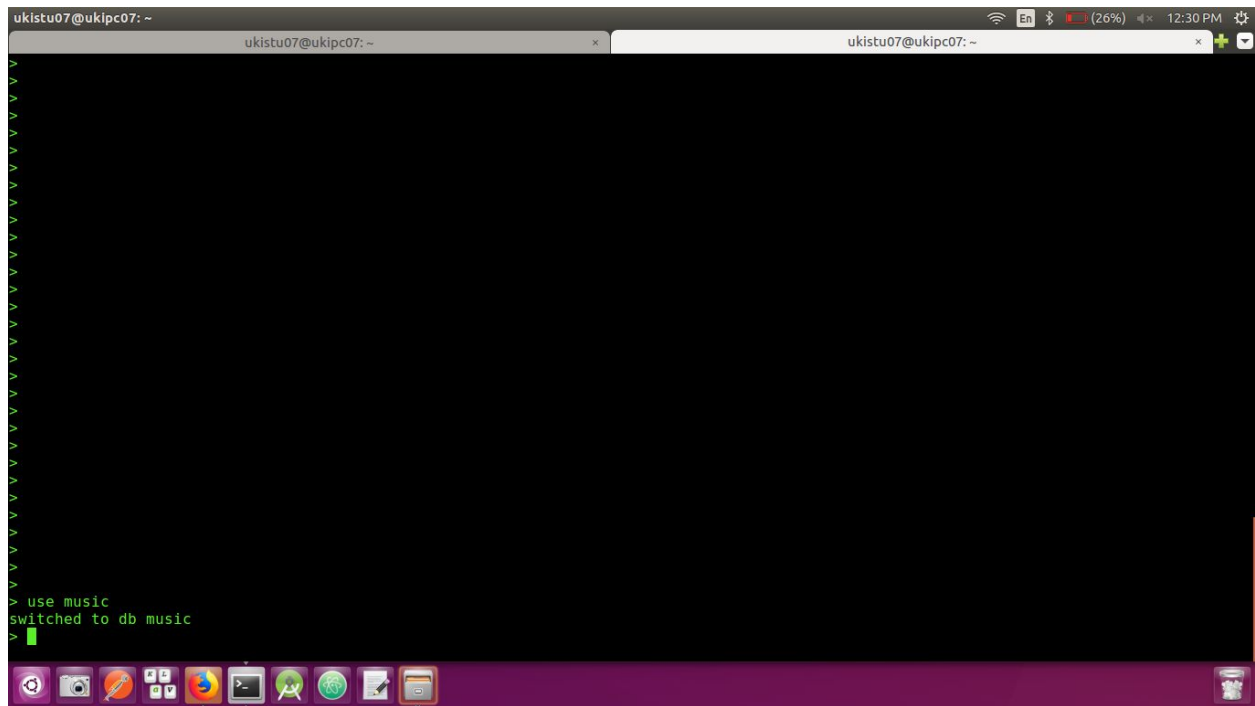


MongoDB Exercise 1

1) Create a Database called music.

> use music

switched to db music

A screenshot of a terminal window with a dark background. The window title bar shows 'ukistu07@ukipc07: ~'. The terminal displays the following text: '> use music' followed by 'switched to db music' on the next line. A green cursor is visible on the line following the second command. The terminal is open within a desktop environment, with a taskbar at the bottom showing various application icons like a terminal, file manager, and web browser. The system tray at the top right indicates the time as 12:30 PM and battery level at 26%.

```
ukistu07@ukipc07: ~  
> use music  
switched to db music  
> |
```

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

[illegible]

3) Create the above 5 song documents.

>

```
db.songdetails.insert({"songname":"Tha  
niye
```

```
Thanthaniy","flim":"Rythom","Music  
Director":"A.R.Rahuman","singer":"Sha  
nkar Mahadevan"})
```

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

>

```
db.songdetails.insert({"songname":"Eva  
no Oruvan","flim":"Alaipayuthe","Music  
Director":"A.R.Rahuman","singer":"Swa  
rnalatha"})
```

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

>

```
db.songdetails.insert({"songname":"Roj  
a Poonthottan","flim":"Kannukul  
Nilavu","Music
```

**Director":"Ilayarajaa","singer":"Unikrish
nan,Anuradha Sriram"}})**

WriteResult({ "nInserted" : 1 })

>

**db.songdetails.insert({"songname":"Ven
nilave Vennilave**

Vinaithandi","flim":"Minsara

Kanavu","Music

**Director":"A.R.Rahuman","singer":"Hari
haran,Sadhana Sargam"}})**

WriteResult({ "nInserted" : 1 })

>

**db.songdetails.insert({"songname":"Soll
amal Tottu Sellum**

Thendral","flim":"Dheena","Music

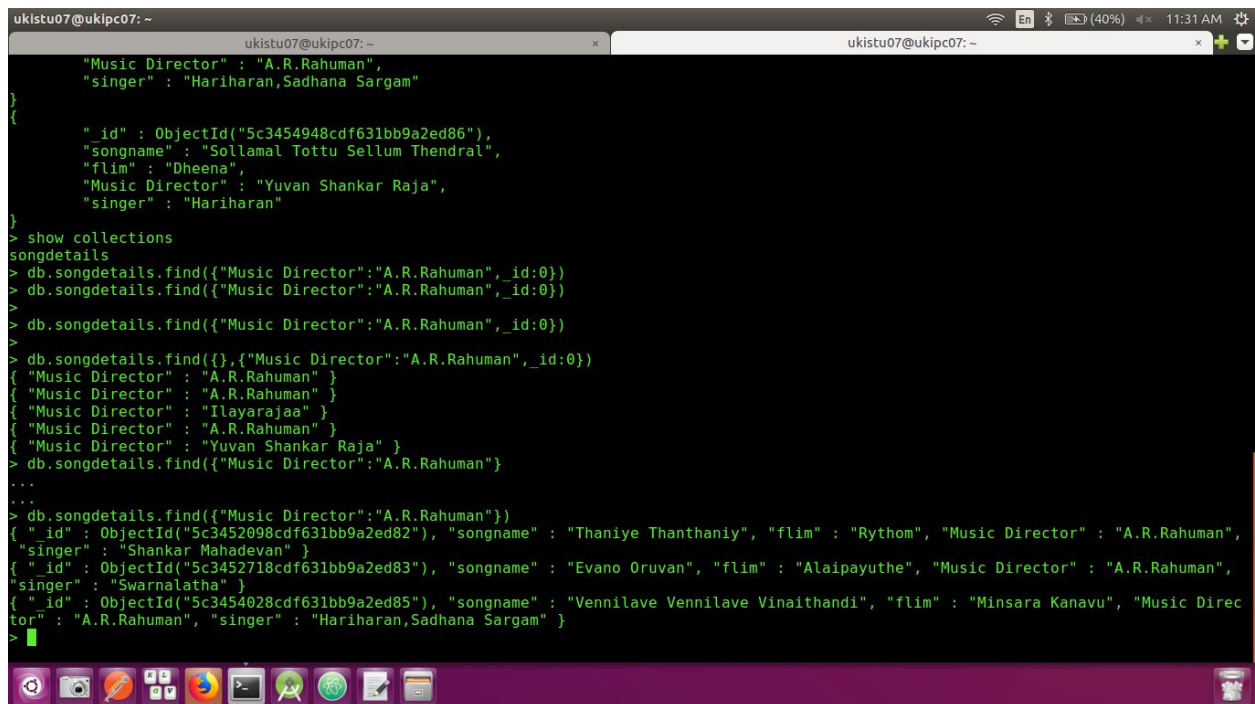
Director":"Yuvan Shankar

Raja","singer":"Hariharan"}})

WriteResult({ "nInserted" : 1 })

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

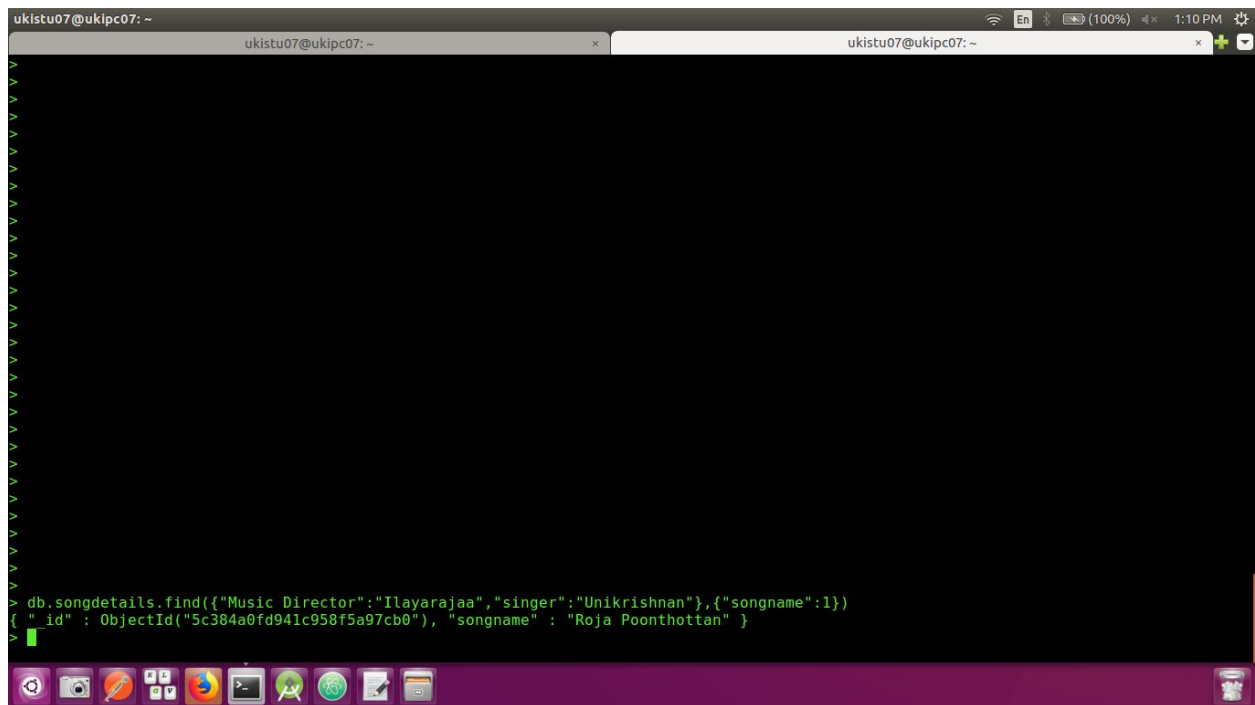
> db.songdetails.find({"Music Director":"A.R.Rahuman"})



```
ukistu07@ukipc07: ~  
ukistu07@ukipc07: ~  
    "Music Director" : "A.R.Rahuman",  
    "singer" : "Hariharan,Sadhana Sargam"  
  }  
{  
    " id" : ObjectId("5c3454948cdf631bb9a2ed86"),  
    "songname" : "Sollamal Tottu Sellum Thendral",  
    "flim" : "Dheena",  
    "Music Director" : "Yuvan Shankar Raja",  
    "singer" : "Hariharan"  
  }  
> show collections  
songdetails  
> db.songdetails.find({"Music Director":"A.R.Rahuman",_id:0})  
> db.songdetails.find({"Music Director":"A.R.Rahuman",_id:0})  
> db.songdetails.find({"Music Director":"A.R.Rahuman",_id:0})  
>  
> db.songdetails.find({}, {"Music Director":"A.R.Rahuman",_id:0})  
{ "Music Director" : "A.R.Rahuman" }  
{ "Music Director" : "A.R.Rahuman" }  
{ "Music Director" : "Ilayarajaa" }  
{ "Music Director" : "A.R.Rahuman" }  
{ "Music Director" : "Yuvan Shankar Raja" }  
> db.songdetails.find({"Music Director":"A.R.Rahuman"})  
...  
> db.songdetails.find({"Music Director":"A.R.Rahuman"})  
{ " id" : ObjectId("5c3452098cdf631bb9a2ed82"), "songname" : "Thaniye Thanthaniy", "flim" : "Rythom", "Music Director" : "A.R.Rahuman",  
  "singer" : "Shankar Mahadevan" }  
{ " id" : ObjectId("5c3452718cdf631bb9a2ed83"), "songname" : "Evano Oruvan", "flim" : "Alaipayuthe", "Music Director" : "A.R.Rahuman",  
  "singer" : "Swarnalatha" }  
{ " id" : ObjectId("5c3454028cdf631bb9a2ed85"), "songname" : "Vennilave Vennilave Vinaithandi", "flim" : "Minsara Kanavu", "Music Direc  
tor" : "A.R.Rahuman", "singer" : "Hariharan,Sadhana Sargam" }  
>
```

6) List Ilayaraja songs sung by Unnikrishnan.

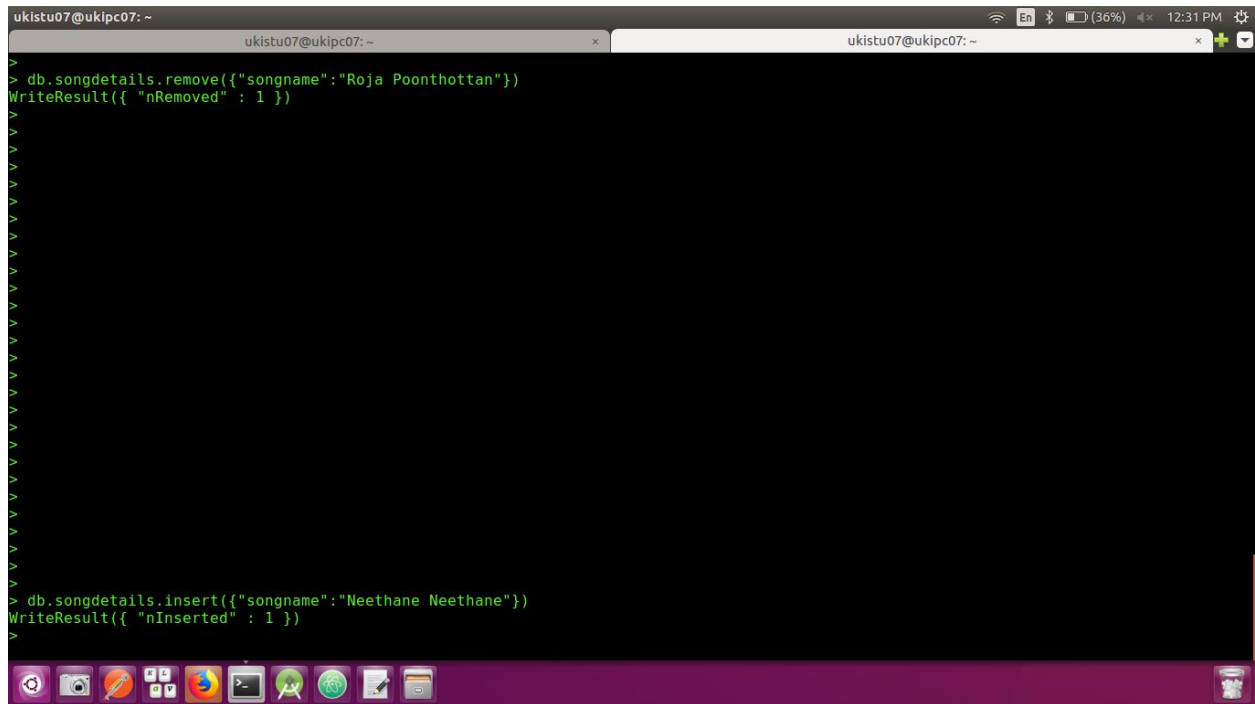
```
> db.songdetails.find({"Music Director":"Ilayarajaa","singer":"Unikrishnan"}, {"songname":1})
```

A screenshot of a terminal window with a dark background. The window title is 'ukistu07@ukipc07: ~'. The terminal shows a MongoDB query: `> db.songdetails.find({"Music Director":"Ilayarajaa","singer":"Unikrishnan"}, {"songname":1})`. The output is: `{ "_id" : ObjectId("5c384a0fd941c958f5a97cb0"), "songname" : "Roja Poonthottan" }`. The terminal has a green cursor on the line following the output. The window's taskbar at the bottom shows various application icons and system status icons on the right, including a clock showing 1:10 PM.

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

>

```
db.songdetails.remove({"songname":"Roja Poonthottan"})
```


A screenshot of a terminal window with a dark background. The window title is 'ukistu07@ukipc07: ~'. The terminal shows two MongoDB commands and their outputs. The first command is 'db.songdetails.remove({"songname": "Roja Poonthottan"})' followed by the output 'WriteResult({ "nRemoved" : 1 })'. The second command is 'db.songdetails.insert({"songname": "Neethane Neethane"})' followed by the output 'WriteResult({ "nInserted" : 1 })'. The terminal has a green cursor at the end of the second command. The window's taskbar at the bottom shows various application icons.

```
ukistu07@ukipc07: ~  
> db.songdetails.remove({"songname": "Roja Poonthottan"})  
WriteResult({ "nRemoved" : 1 })  
  
> db.songdetails.insert({"songname": "Neethane Neethane"})  
WriteResult({ "nInserted" : 1 })  
>
```

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

```
> db.songdetails.find({"flim": "Minsara  
Kanavu", "singer": "Hariharan"}, {"songna  
me": 1, _id: 0})
```

[illegible]

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

```
> db.songdetails.find({}, {"singer":1})
```

```
ukistu07@ukipc07: ~  
ukistu07@ukipc07: ~  
ukistu07@ukipc07: ~  
    "id" : ObjectId("5c3452718cdf631bb9a2ed83"),  
    "songname" : "Evano Oruvan",  
    "flim" : "Alaipayuthe",  
    "Music Director" : "A.R.Rahuman",  
    "singer" : "Swarnalatha"  
  },  
  {  
    "id" : ObjectId("5c3453548cdf631bb9a2ed84"),  
    "songname" : "Roja Poonthottan",  
    "flim" : "Kannukul Nilavu",  
    "Music Director" : "Ilayarajaa",  
    "singer" : "Unikrishnan,Anuradha Sriram"  
  },  
  {  
    "id" : ObjectId("5c3454028cdf631bb9a2ed85"),  
    "songname" : "Vennilave Vennilave Vinaithandi",  
    "flim" : "Minsara Kanavu",  
    "Music Director" : "A.R.Rahuman",  
    "singer" : "Hariharan,Sadhana Sargam"  
  },  
  {  
    "id" : ObjectId("5c3454948cdf631bb9a2ed86"),  
    "songname" : "Sollamal Tottu Sellum Thendral",  
    "flim" : "Dheena",  
    "Music Director" : "Yuvan Shankar Raja",  
    "singer" : "Hariharan"  
  }  
}  
db.songdetails.find({},{"singer":1})  
{ "id" : ObjectId("5c3452098cdf631bb9a2ed82"), "singer" : "Shankar Mahadevan" }  
{ "id" : ObjectId("5c3452718cdf631bb9a2ed83"), "singer" : "Swarnalatha" }  
{ "id" : ObjectId("5c3453548cdf631bb9a2ed84"), "singer" : "Unikrishnan,Anuradha Sriram" }  
{ "id" : ObjectId("5c3454028cdf631bb9a2ed85"), "singer" : "Hariharan,Sadhana Sargam" }  
{ "id" : ObjectId("5c3454948cdf631bb9a2ed86"), "singer" : "Hariharan" }  
>
```