

# MongoDB Exercise 1

1) Create a Database called, music,

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

2) Create a collection called songdetails .

3) Create the above 5 song documents.

```
> db.songdetails.insert({songname:"thaniye thannanthaniye",film:"Rhythm",music director:"A.R.Rahman",singer:"shankar mahadevan"})
2017-05-23T16:05:25.941+0530 E QUERY [thread1] SyntaxError: missing : after property id @(shell):1:77
> db.songdetails.insert({songname:"thaniyethannanthaniye",film:"Rhythm",musicdirector:"A.R.Rahman",singer:"shankarmahadevan"})
WriteResult({ "nInserted" : 1 })
> db.songdetails.insert({songname:"Evanooruvan",film:"Alaipayuthey",musicdirector:"A.R.Rahmana",singer:"swarnalatha"})
WriteResult({ "nInserted" : 1 })
> db.songdetails.insert({songname:"Rojapunnthoddam",film:"Kannukkunilavu",musicdirector:"illayaraja",singer:"unnikrishnan,AnurathaSriram"})
WriteResult({ "nInserted" : 1 })
> db.songdetails.insert({songname:"VennilavVennilavevinnaithanndivaruvaja",film:"minnsarakkanavu",musicdirector:"A.R..Rahman",singer:"hariharan,s
hadhanasiram"})
WriteResult({ "nInserted" : 1 })
> db.songdetails.insert({songname:"VennilavVennilavevinnaithanndivaruvaja",film:"Dheena",musicdirector:"yuvanshankarraja",singer:"hariharan,"})
WriteResult({ "nInserted" : 1 })
> db.songdetails.insert({songname:"sollamalthoddusellumthenrral",film:"Dheena",musicdirector:"yuvanshankarraja",singer:"hariharan,"})
WriteResult({ "nInserted" : 1 })
> █
```

4) List all documents created.

```
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("59241114cde7bbc88aa985c4"),
  "songname" : "thaniyethannanthaniye",
  "film" : "Rhythm",
  "musicdirector" : "A.R.Rahman",
  "singer" : "shankarmahadevan"
}
{
  "_id" : ObjectId("5924120bcde7bbc88aa985c5"),
  "songname" : "Evanooruvan",
  "film" : "Alaipayuthey",
  "musicdirector" : "A.R.Rahmana",
  "singer" : "swarnalatha"
}
{
  "_id" : ObjectId("59241325cde7bbc88aa985c6"),
  "songname" : "Rojapunnthoddam",
  "film" : "Kannukkunilavu",
  "musicdirector" : "illayaraja",
  "singer" : "unnikrishnan,AnurathaSriram"
}
{
  "_id" : ObjectId("5924140dcde7bbc88aa985c7"),
  "songname" : "VennilavVennilavevinnaithanndivaruvaja",
  "film" : "minnsarakkanavu",
  "musicdirector" : "A.R..Rahman",
  "singer" : "hariharan,shadhanasiram"
}
{
  "_id" : ObjectId("59241461cde7bbc88aa985c8"),
  "songname" : "VennilavVennilavevinnaithanndivaruvaja",
  "film" : "Dheena",
  "musicdirector" : "yuvanshankarraja",
  "singer" : "hariharan,"
}
{
  "_id" : ObjectId("592414bccde7bbc88aa985c9"),
  "songname" : "sollamalthoddusellumthenrral",
  "film" : "Dheena",
  "musicdirector" : "yuvanshankarraja",
  "singer" : "hariharan,"
}
}
```

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

```
> db.songdetails.find({musicdirector:"ar.rahman"},{songname:1,_id:0})
{ "songname" : "thaniye thannanthaniye" }
{ "songname" : "evano oruvan" }
{ "songname" : "vennilave vennilave" }
{ "songname" : "vennilave vennilave" }
>
```

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

```
> db.songdetails.find({musicdirector:"A.R..Rahman"},{singer:"unnikrishnan",_id:"59241325cde7bbc88aa985c6"})
{ "_id" : ObjectId("5924140dcde7bbc88aa985c7"), "singer" : "hariharan,shadhanasiram" }
>
```

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

```
> db.songdetails.remove({songname:"sollamalthoddusellumthenral"})
WriteResult({ "nRemoved" : 1 })
>
```

8) Add new song which is your favourite.

```
> db.songdetails.insert({songname:"arraranakkumukkanakkumukka",film:"masilamani",musicdirector:"ramana",singer:"jana,taneesan,tharshan"})
2017-05-23T17:25:21.327+0530 E QUERY [thread1] SyntaxError: unterminated string literal @ (shell):1:108
> db.songdetails.insert({songname:"arraranakkumukkanakkumukka",film:"masilamani",musicdirector:"ramana",singer:"jana,taneesan,tharshan"})
WriteResult({ "nInserted" : 1 })
>
```

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

```
> db.songdetails.find({film:"Minsara kanavu",singer:"Harikaran, shadhana sargam"},{songname:1,_id:0})
{ "songname" : "Vennilave vennilave vinaithandi" }
>
```

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

```
...  
> db.songdetails.find({}, {singer:1, _id:0})  
{ "singer" : "shankarmahadevan" }  
{ "singer" : "swarnalatha" }  
{ "singer" : "unnikrishnan,AnurathaSriram" }  
{ "singer" : "hariharan,shadhanasiram" }  
{ "singer" : "hariharan," }  
{ "singer" : "jana,taneesan,tharshan" }  
> █
```