1)Create a Database called music


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


2)Create a collection called songdetails

```
> db.createCollection("songdetails")
{ "ok" : 1 }
```


3)Create the above 5 songs

```
> db.songdetails.insert({"Song Name":"Thaniye
Thananthaniye","file":"Rhythm","Music Director":"A.R.Rahman","Singer":"Shankar
mahadevan"})
WriteResult({ "nInserted" : 1 })
> db.songdetails.insert({"Song Name":"Evano oruvan","file":"Alai payuthe","Music
Director":"A.R.Rahman","Singer":"Swarnalatha"})
WriteResult({ "nInserted" : 1 })
> db.songdetails.insert({"Song Name":"Roja poonthooddam","file":"Kannukkul
nilavu","Music Director":"Ilaiyaraja","Singer":"unnikrishnan,Anuradha Sriram"})
WriteResult({ "nInserted" : 1 })
> db.songdetails.insert({"Song Name":"Vennilave venilave
vinnaithaandi","file":"Minsarak kanavu","Music
Director":"A.R.Rahman","Singer":"Hariharan,Sadhana Sargam"})
WriteResult({ "nInserted" : 1 })
> db.songdetails.insert({"Song Name":"Sollamal thottu chellum
thendral","file":"Dheena","Music Director":"Yuvan Shankar
Raja","Singer":"Hariharan"})
WriteResult({ "nInserted" : 1 })
```


4)List all documents created

```
> db.songdetails.find().pretty()
{
        "_id" : ObjectId("5c34d6224e646d535dfa0ac6"),
        "Song Name" : "Thaniye Thananthaniye",
        "file" : "Rhythm",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Shankar mahadevan"
}
{
        "_id" : ObjectId("5c34d7a44e646d535dfa0ac7"),
        "Song Name" : "Evano oruvan",
        "file" : "Alai payuthe",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Swarnalatha"
}
{
        "_id" : ObjectId("5c34da444e646d535dfa0ac8"),
        "Song Name" : "Roja poonthooddam",
        "file" : "Kannukkul nilavu",
        "Music Director" : "Ilaiyaraja",
        "Singer" : "unnikrishnan,Anuradha Sriram"
}
{
        "_id" : ObjectId("5c34dad04e646d535dfa0ac9"),
        "Song Name" : "Vennilave venilave vinnaithaandi",
        "file" : "Minsarak kanavu",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Hariharan,Sadhana Sargam"
}
{
        "_id" : ObjectId("5c34db3c4e646d535dfa0aca"),
        "Song Name" : "Sollamal thottu chellum thendral",
        "file" : "Dheena",
        "Music Director" : "Yuvan Shankar Raja",
        "Singer" : "Hariharan"
}
```

```
> db.songdetails.find().pretty()
{
        "_id" : ObjectId("5c34d6224e646d535dfa0ac6"),
        "Song Name" : "Thaniye Thananthaniye",
        "file" : "Rhythm",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Shankar mahadevan"
}
{
        "_id" : ObjectId("5c34d7a44e646d535dfa0ac7"),
        "Song Name" : "Evano oruvan",
        "file" : "Alai payuthe",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Swarnalatha"
}
{
        "_id" : ObjectId("5c34da444e646d535dfa0ac8"),
        "Song Name" : "Roja poonthooddam",
        "file" : "Kannukkul nilavu",
        "Music Director" : "Ilaiyaraja",
        "Singer" : "unnikrishnan,Anuradha Sriram"
}
{
        "_id" : ObjectId("5c34dad04e646d535dfa0ac9"),
        "Song Name" : "Vennilave venilave vinnaithaandi",
        "file" : "Minsarak kanavu",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Hariharan,Sadhana Sargam"
}
{
        "_id" : ObjectId("5c34db3c4e646d535dfa0aca"),
        "Song Name" : "Sollamal thottu chellum thendral",
        "file" : "Dheena",
        "Music Director" : "Yuvan Shankar Raja",
        "Singer" : "Hariharan"
}
```

5)List A.R.Rahman songs

```
> db.songdetails.find({"Music Director":"A.R.Rahman"})
{ "_id" : ObjectId("5c34d6224e646d535dfa0ac6"), "Song Name" : "Thaniye
Thananthaniye", "file" : "Rhythm", "Music Director" : "A.R.Rahman", "Singer" :
"Shankar mahadevan" }
{ "_id" : ObjectId("5c34d7a44e646d535dfa0ac7"), "Song Name" : "Evano oruvan",
"file" : "Alai payuthe", "Music Director" : "A.R.Rahman", "Singer" :
"Swarnalatha" }
{ "_id" : ObjectId("5c34dad04e646d535dfa0ac9"), "Song Name" : "Vennilave
venilave vinnaithaandi", "file" : "Minsarak kanavu", "Music Director" :
"A.R.Rahman", "Singer" : "Hariharan,Sadhana Sargam" }
```

```
}
> db.songdetails.find({"Music Director":"A.R.Rahman"})
{ "_id" : ObjectId("5c34d6224e646d535dfa0ac6"), "Song Name" : "Thaniye Thanantha
niye", "file" : "Rhythm", "Music Director" : "A.R.Rahman", "Singer" : "Shankar m
ahadevan" }
{ "_id" : ObjectId("5c34d7a44e646d535dfa0ac7"), "Song Name" : "Evano oruvan", "f
ile" : "Alai payuthe", "Music Director" : "A.R.Rahman", "Singer" : "Swarnalatha"
 }
{ "_id" : ObjectId("5c34dad04e646d535dfa0ac9"), "Song Name" : "Vennilave venilav
e vinnaithaandi", "file" : "Minsarak kanavu", "Music Director" : "A.R.Rahman", "
Singer" : "Hariharan,Sadhana Sargam" }
>
```

```
> db.songdetails.find({"Music Director":"A.R.Rahman"},{_id:0}).pretty()
{
        "Song Name" : "Thaniye Thananthaniye",
        "file" : "Rhythm",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Shankar mahadevan"
}
{
        "Song Name" : "Evano oruvan",
        "file" : "Alai payuthe",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Swarnalatha"
}
{
        "Song Name" : "Vennilave venilave vinnaithaandi",
        "file" : "Minsarak kanavu",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Hariharan,Sadhana Sargam"
}
```

7) Delete the song which you don't like.
```
> db.songdetails.remove({"Song Name" : "Roja poonthooddam"})
WriteResult({ "nRemoved" : 1 })
```

```
> db.songdetails.remove({"Song Name" : "Roja poonthooddam"})
WriteResult({ "nRemoved" : 1 })
> db.songdetails.find().pretty()
{
        "_id" : ObjectId("5c34d6224e646d535dfa0ac6"),
        "Song Name" : "Thaniye Thananthaniye",
        "file" : "Rhythm",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Shankar mahadevan"
}
{
        "_id" : ObjectId("5c34d7a44e646d535dfa0ac7"),
        "Song Name" : "Evano oruvan",
        "file" : "Alai payuthe",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Swarnalatha"
}
{
        "_id" : ObjectId("5c34dad04e646d535dfa0ac9"),
        "Song Name" : "Vennilave venilave vinnaithaandi",
        "file" : "Minsarak kanavu",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Hariharan,Sadhana Sargam"
}
{
        "_id" : ObjectId("5c34db3c4e646d535dfa0aca"),
        "Song Name" : "Sollamal thottu chellum thendral",
        "file" : "Dheena",
        "Music Director" : "Yuvan Shankar Raja",
        "Singer" : "Hariharan"
}
>
```

8) Add new song which is your favourite.

```
> db.songdetails.insert({"Song Name":"Roja poonthooddam","file":"Kannukkul
nilavu","Music Director":"Ilaiyaraja","Singer":["unnikrishnan","Anuradha
Sriram"]})
WriteResult({ "nInserted" : 1 })
```

```
> db.songdetails.insert({"Song Name":"Roja poonthooddam","file":"Kannukkul nilavu","Music Director":"Ilaiyaraja","Singer":["unnikrishnan","Anur
adha Sriram"]})
WriteResult({ "nInserted" : 1 })
> db.songdetails.find().pretty()
{
        "_id" : ObjectId("5c34d6224e646d535dfa0ac6"),
        "Song Name" : "Thaniye Thananthaniye",
        "file" : "Rhythm",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Shankar mahadevan"
}
{
        "_id" : ObjectId("5c34d7a44e646d535dfa0ac7"),
        "Song Name" : "Evano oruvan",
        "file" : "Alai payuthe",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Swarnalatha"
}
{
        "_id" : ObjectId("5c34dad04e646d535dfa0ac9"),
        "Song Name" : "Vennilave venilave vinnaithaandi",
        "file" : "Minsarak kanavu",
        "Music Director" : "A.R.Rahman",
        "Singer" : "Hariharan,Sadhana Sargam"
}
{
        "_id" : ObjectId("5c34db3c4e646d535dfa0aca"),
        "Song Name" : "Sollamal thottu chellum thendral",
        "file" : "Dheena",
        "Music Director" : "Yuvan Shankar Raja",
        "Singer" : "Hariharan"
}
{
        "_id" : ObjectId("5c3848531f81abce88618ace"),
        "Song Name" : "Roja poonthooddam",
        "file" : "Kannukkul nilavu",
        "Music Director" : "Ilaiyaraja",
        "Singer" : [
                "unnikrishnan",
                "Anuradha Sriram"
        ]
}
```

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

```
> db.songdetails.find({"Singer":"Hariharan","film" : "Minsara Kanav"},{"songs name":1})
{ "_id" : ObjectId("5c3849790e74c55fc7c853ab"), "songs name" : "vennilavae vennilavae vinnaithandi" }
>
```

10)List out the singers' names in your document.
```
> db.songdetails.find({},{"Singer":1})
{ "_id" : ObjectId("5c344ade565083e4970f2d49"), "Singer" : "Shankar Mahadevan" }
{ "_id" : ObjectId("5c344bd1565083e4970f2d4a"), "Singer" : "swamalatha" }
{ "_id" : ObjectId("5c38475e0e74c55fc7c853a9"), "Singer" : [ "unnikrishnan", "Anuradha Sriram" ] }
{ "_id" : ObjectId("5c3848160e74c55fc7c853aa"), "Singer" : "A.R Rahuman" }
{ "_id" : ObjectId("5c3849790e74c55fc7c853ab"), "Singer" : [ "Hariharan", "Sadhana Sargam" ] }
>
```

> db.songdetails.find({},{"Singer"}).pretty()