

1.Create a Database called music.

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

2.Create a collection called songdetails.

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

3.Create the above 5 song documents.

```
> db.songdeatils.insert([{'SongName':'Thaniye Thananthaniye','Film':'Rhythm','MusicDirector':'A.R.Rahman','Singer':'Shankar mahadevan'},{'SongName':'Evano Oruvan','Film':'Alai Payuthey','MusicDirector':'A.R.Rahman','Singer':'Swamalatha'},{'SongName':'Raja Poonthottam','Film':'Kannukul Nilavu','MusicDirector':'illayaraaja','Singer':'Unnikrishnan,Anuradha Sirram'},{'SongName':'Vennilavae Vennilavae Vinnaithaandi','Film':'Minsara Kanavu','MusicDirector':'A.R.Rahman','Singer':'Hariharan,Sadhana Sargam'},{'SongName':'Sollamal Thottu Chellum Thendral','Film':'Dheena','MusicDirector':'Yuan Shankar Raja','Singer':'Hariharan'}])
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 5,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
> db.songdeatils.find()
{ "_id" : ObjectId("5b3da838bc8a97f501ef0e0a"), "SongName" : "Thaniye Thananthaniye", "Film" : "Rhythm", "MusicDirector" : "A.R.Rahman", "Singer" : "Shankar mahadevan" }
{ "_id" : ObjectId("5b3da838bc8a97f501ef0e0b"), "SongName" : "Evano Oruvan", "Film" : "Alai Payuthey", "MusicDirector" : "A.R.Rahman", "Singer" : "Swamalatha" }
{ "_id" : ObjectId("5b3da838bc8a97f501ef0e0c"), "SongName" : "Raja Poonthottam", "Film" : "Kannukul Nilavu", "MusicDirector" : "illayaraaja", "Singer" : "Unnikrishnan,Anuradha Sirram" }
{ "_id" : ObjectId("5b3da838bc8a97f501ef0e0d"), "SongName" : "Vennilavae Vennilavae Vinnaithaandi", "Film" : "Minsara Kanavu", "MusicDirector" : "A.R.Rahman", "Singer" : "Hariharan,Sadhana Sargam" }
{ "_id" : ObjectId("5b3da838bc8a97f501ef0e0e"), "SongName" : "Sollamal Thottu Chellum Thendral", "Film" : "Dheena", "MusicDirector" : "Yuan Shankar Raja", "Singer" : "Hariharan" }
```

4.List all documents created.

```
ukistu12@ukipc12: ~
ukistu12@ukipc12: ~
ukistu12@ukipc12: ~
2018-07-05T10:41:59.595+0530 E QUERY [thread1] TypeError: db.songdeatils.find(...).pretty is not a function :
@(:shell):1:1
> db.songdeatils.find().pretty()
{
  "_id" : ObjectId("5b3da838bc8a97f501ef0e0a"),
  "SongName" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Shankar mahadevan"
}
{
  "_id" : ObjectId("5b3da838bc8a97f501ef0e0b"),
  "SongName" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Swamalatha"
}
{
  "_id" : ObjectId("5b3da838bc8a97f501ef0e0c"),
  "SongName" : "Raja Poonthottam",
  "Film" : "Kannukul Nilavu",
  "MusicDirector" : "illayaraaja",
  "Singer" : "Unnikrishnan,Anuradha Sirram"
}
{
  "_id" : ObjectId("5b3da838bc8a97f501ef0e0d"),
  "SongName" : "Vennilavae Vennilavae Vinnaithaandi",
  "Film" : "Minsara Kanavu",
  "MusicDirector" : "A.R.Rahman",
  "Singer" : "Hariharan,Sadhana Sargam"
}
{
  "_id" : ObjectId("5b3da838bc8a97f501ef0e0e"),
  "SongName" : "Sollamal Thottu Chellum Thendral",
  "Film" : "Dheena",
  "MusicDirector" : "Yuan Shankar Raja",
  "Singer" : "Hariharan"
}
```

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

```
ukistu12@ukipc12: ~  
{  
  "_id" : ObjectId("5b3da838bc8a97f501ef0e0c"),  
  "SongName" : "Roja Poonthottam",  
  "Film" : "Kannukul Nilavu",  
  "MusicDirector" : "illeyaraaja",  
  "Singer" : "Unnikrishnan,Anuradha Sirram"  
}  
{  
  "_id" : ObjectId("5b3da838bc8a97f501ef0e0d"),  
  "SongName" : "Vennilavae Vennilavae Vinnalthaandi",  
  "Film" : "Minsara Kanavu",  
  "MusicDirector" : "A.R.Rahman",  
  "Singer" : "Hariharan,Sadhana Sargam"  
}  
{  
  "_id" : ObjectId("5b3da838bc8a97f501ef0e0e"),  
  "SongName" : "Sollamal Thottu Chellum Thendral",  
  "Film" : "Dheena",  
  "MusicDirector" : "Yuan Shankar Raja",  
  "Singer" : "Hariharan"  
}  
-> db.songdeatils.find({'MusicDirector':'A.R.Rahman'})  
{ "_id" : ObjectId("5b3da838bc8a97f501ef0e0a"), "SongName" : "Thanije Thananthaniye", "Film" : "Rhythm", "MusicDirector" : "A.R.Rahman", "Singer" : "Shankar mahadevan" }  
{ "_id" : ObjectId("5b3da838bc8a97f501ef0e0d"), "SongName" : "Vennilavae Vennilavae Vinnalthaandi", "Film" : "Minsara Kanavu", "MusicDirector" : "A.R.Rahman", "Singer" : "Hariharan,Sadhana Sargam" }
```

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

```
db.songdeatils.find({'MusicDirector':'A.R.Rahman','Singer':'Unnikrishnan'})
db.songdeatils.find({'MusicDirector':'A.R.Rahman','Singer':'Unnikrishnan,Anuradha Sirram'})
```

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

```
> db.songdetails.remove({'SongName':'Thaniye Thananthaniye'})
WriteResult({ "nRemoved" : 1 })
>
```

8) Add new song which is your favourite.

```

    db.songdetails.insert([{'SongName':'SODAKKU','Film':'Thaanaa Serndha Kootam','MusicDirector':'Anthony Daasan','Singer':'Anthony Daasan'}])
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 1,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
2

```

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

```
db.songdeatlts.find({'Singer':'Haritharan,Sadhana Sargam','Film':'Minsara Kanavu'})
{"_id" : ObjectId("5b3da838bcbca97f501ef0ebd"), "SongName" : "Vennilavae Vennilavae Vinnaitaandi", "Film" : "Minsara Kanavu", "MusicDirector" : "A.R. Rahman", "Singer" : "Haritharan,Sadhana Sargam"}
```

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

```

> db.songdeatils.find().sort('Singer')
Error: error: {
  "ok" : 0,
  "errmsg" : "Failed to parse sort: \"Singer\". 'sort' field must be of BSON type object.",
  "code" : 9,
  "codeName" : "FailedToParse"
}

```