

## 1) Create a Database called music.

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

## 2) Create a collection called songdetails.

```
> db.createCollection("songdetails")
{
  "ok" : 0,
  "errmsg" : "Collection already exists. NS: music.songdetails",
  "code" : 48,
  "codeName" : "NamespaceExists"
}
> db
music
> show collections
songdetails
```

## 3) Create the above 5 song documents.

```
> db.songdetails.insert({"Song Name":"Thaniye Thananthaniye","Film":"Rhythm","Music Director":"A.R.Rahman","Singer":"Shankar mahadevan"})
WriteResult({ "nInserted" : 1 })
> WriteResult({ "nInserted" : 1 })
uncaught exception: TypeError: bulkResult.upserted is undefined :
WriteResult@src/mongo/shell/bulk_api.js:117:1
WriteResult@src/mongo/shell/bulk_api.js:108:20
@(shell):1:1
> db.songdetails.insert({"Song Name":"Evano Oruvan","Film":"Alai Payuthey","Music Director":"A.R.Rahman","Singer":"Swarnalatha"})
WriteResult({ "nInserted" : 1 })
> WriteResult({ "nInserted" : 1 })
uncaught exception: TypeError: bulkResult.upserted is undefined :
WriteResult@src/mongo/shell/bulk_api.js:117:1
WriteResult@src/mongo/shell/bulk_api.js:108:20
@(shell):1:1
> db.songdetails.insert({"Song Name":"Roja Poonthottam","Film":"Kannukkul Nilavu","Music Director":"Ilaiyaraja","Singer":"Unnikrishnan,Anuradha Sriram"})
WriteResult({ "nInserted" : 1 })
> WriteResult({ "nInserted" : 1 })
uncaught exception: TypeError: bulkResult.upserted is undefined :
WriteResult@src/mongo/shell/bulk_api.js:117:1
WriteResult@src/mongo/shell/bulk_api.js:108:20
@(shell):1:1
> db.songdetails.insert({"Song Name":"Vennilave Vennilave vinnaihandi","Film":"Minsara Kanavu","Music Director":"A.R.Rahman","Singer":"Hariharan,Sadhana Sargam"})
WriteResult({ "nInserted" : 1 })
> WriteResult({ "nInserted" : 1 })
uncaught exception: TypeError: bulkResult.upserted is undefined :
WriteResult@src/mongo/shell/bulk_api.js:117:1
WriteResult@src/mongo/shell/bulk_api.js:108:20
@(shell):1:1
> db.songdetails.insert({"Song Name":"Sollamal Thottu Chellum Thendral","Film":"Dheena","Music Director":"Yuvan Shankar Raja","Singer":"Hariharan"})
WriteResult({ "nInserted" : 1 })
```

#### 4) List all documents created.

```
> db.songdetails.find().pretty()
{
  "_id" : ObjectId("628f4c7b9ca275c8fbd446ab"),
  "Song Name" : "Thaniye Thananthaniye",
  "Film" : "Rhythm",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Shankar Mahadevan"
}
{
  "_id" : ObjectId("628f4cb69ca275c8fbd446ac"),
  "Song Name" : "Evano Oruvan",
  "Film" : "Alai Payuthey",
  "Music Director" : "A.R.Rahman",
  "Singer" : "Swarnalatha"
}
{
  "_id" : ObjectId("628f4cb69ca275c8fbd446ad"),
  "Song Name" : "Roja Poonthottam",
  "Film" : "Kannukkul Nilavu",
  "Music Director" : "Ilaiyaraaja",
  "Singer" : [
    "Unnikrishnan",
    "Anuradha Sriram"
  ]
}
{
  "_id" : ObjectId("628f4ceb9ca275c8fbd446ae"),
  "Song Name" : "Vennilavae Vennilavae Vinnaitthaandi",
  "Film" : "Minsara Kanavu",
  "Music Director" : "A.R.Rahman",
  "Singer" : [
    "Hariharan",
    "Sadhana Sargam"
  ]
}
{
  "_id" : ObjectId("628f4ceb9ca275c8fbd446af"),
  "Song Name" : "Sollamal Thottu Chellum Thendral",
  "Film" : "Dheena",
  "Music Director" : "Yuvan Shankar Raja",
  "Singer" : "Hariharan"
}
```

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

```
> db.songdetails.find({"Music Director":"A.R.Rahman"})
{ "_id" : ObjectId("628f4c7b9ca275c8fbd446ab"), "Song Name" : "Thaniye Thananthaniye", "Film" : "Rhythm", "Music Director" : "A.R.Rahman", "Singer" : "Shankar Mahadevan" }
{ "_id" : ObjectId("628f4cb69ca275c8fbd446ac"), "Song Name" : "Evano Oruvan", "Film" : "Alai Payuthey", "Music Director" : "A.R.Rahman", "Singer" : "Swarnalatha" }
{ "_id" : ObjectId("628f4ceb9ca275c8fbd446ae"), "Song Name" : "Vennilavae Vennilavae Vinnaitthaandi", "Film" : "Minsara Kanavu", "Music Director" : "A.R.Rahman", "Singer" : [ "Hariharan", "Sadhana Sargam" ] }
{ "_id" : ObjectId("629064ee6370a8a44f7fb643"), "Song Name" : "Thaniye Thananthaniye", "Film" : "Rhythm", "Music Director" : "A.R.Rahman", "Singer" : "Shankar mahadevan" }
{ "_id" : ObjectId("629064ee6370a8a44f7fb644"), "Song Name" : "Evano Oruvan", "Film" : "Alai Payuthey", "Music Director" : "A.R.Rahman", "Singer" : "Swarnalatha" }
{ "_id" : ObjectId("629064ee6370a8a44f7fb646"), "Song Name" : "Vennilave Vennilave vinnaitthandi", "Film" : "Minsara Kanavu", "Music Director" : "A.R.Rahman", "Singer" : "Hariharan,Sadhana Sargam" }
> |
```

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

```
> db.songdetails.find({"Music Director":"A.R.Rahman","Singer":"Unnikirishnan,Anuradha Sriram"})
> |
```

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

```
> db.songdetails.deleteOne({"Song Name":"Sollamal Thottu Chellum Thendral"})
{ "acknowledged" : true, "deletedCount" : 1 }
> |
```

8) Add new song which is your favourite.

```
> db.songdetails.insert({"Song Name":"Unakaaga vaazha nenaikkiren","film":"Bigil","Music director":"A
R.Rahman","Singer":"Sreekanth hariharan and Madhura Dhara Talluri"})
WriteResult({ "nInserted" : 1 })
> |
```

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

```
> db.songdetails.find({"Film":"Minsara Kanavu","Singer":"Hariharan,Sadhana Sargam"},{"Song Name":1,_id:0})
{ "Song Name" : "Vennilave Vennilave vinnaihandi" }
> |
```

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

```
> db.songdetails.find({},{"Singer":1,_id:0}).pretty()
{ "Singer" : "Shankar Mahadevan" }
{ "Singer" : "Swarnalatha" }
{ "Singer" : [ "Unnikrishnan", "Anuradha Sriram" ] }
{ "Singer" : [ "Hariharan", "Sadhana Sargam" ] }
{ "Singer" : "Shankar mahadevan" }
{ "Singer" : "Swarnalatha" }
{ "Singer" : "Unnikirishnan,Anuradha Sriram" }
{ "Singer" : "Hariharan,Sadhana Sargam" }
{ "Singer" : "Hariharan" }
{ "Singer" : "Sreekanth hariharan and Madhura Dhara Talluri" }
{ "Singer" : "Sreekanth hariharan and Madhura Dhara Talluri" }
{ "Singer" : "Sreekanth hariharan and Madhura Dhara Talluri" }
> |
```