

# Part 1

cloud.mongodb.com/v2/63c75b8ec7ef76064c88db2d8/metrics/replicaSet/642c9696f5e53b2f54da7d/explorer/songs/song\_list/find

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Project 0 Data Services App Services Charts

+ Create Database Search Namespaces

sample\_airbnb sample\_analytics sample\_geospatial sample\_guides sample\_mflix sample\_restaurants sample\_supplies sample\_training sample\_weatherdata songs song\_list

songs.song\_list STORAGE SIZE: 36KB LOGICAL DATA SIZE: 288B TOTAL DOCUMENTS: 3 INDEXES TOTAL SIZE: 36KB

Find Indexes Schema Anti-Patterns Aggregation Search Indexes

Filter Type a query: { field: 'value' } Reset Apply More Options

INSERT DOCUMENT

title: "Kiss Me More" artist: "Doja Cat" genres: Array

\_id: ObjectId('642ce52a1ed93c6e19b10c1') title: "Save Your Tears" artist: "The Weeknd" genres: Array

\_id: ObjectId('642ce5391ed93c6e19b10c2') title: "Heat Waves" artist: "Glass Animals" genres: Array

\_id: ObjectId('642ce511ed93c6e19b10c3') title: "drivers license" artist: "Olivia Rodrigo" genres: Array

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Filter Type a query: { field: 'value' } Reset Apply More Options

INSERT DOCUMENT

\_id: ObjectId('642ce4d31ed93c6e19b10be') title: "Leave The Door Open" artist: "Silk Sonic" genres: Array

\_id: ObjectId('642ce4f41ed93c6e19b10bf') title: "Peaches" artist: "Justin Bieber" genres: Array

\_id: ObjectId('642ce511ed93c6e19b10c0') title: "Kiss Me More" artist: "Doja Cat" genres: Array

\_id: ObjectId('642ce52a1ed93c6e19b10c1') title: "Save Your Tears" artist: "The Weeknd" genres: Array

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## Part 2

Atlas atlas-4m8n8u-shard-0 [primary] myFirstDatabase> show dbs;

<b>sample_airbnb</b>	52.20 MiB
<b>sample_analytics</b>	9.15 MiB
<b>sample_geospatial</b>	1.36 MiB
<b>sample_guides</b>	40.00 KiB
<b>sample_mflix</b>	46.68 MiB
<b>sample_restaurants</b>	6.59 MiB
<b>sample_supplies</b>	1.14 MiB
<b>sample_training</b>	54.40 MiB
<b>sample_weatherdata</b>	2.78 MiB
<b>songs</b>	72.00 KiB
<b>admin</b>	368.00 KiB
<b>local</b>	9.16 GiB

### Select database

Atlas atlas-4m8n8u-shard-0 [primary] myFirstDatabase> use songs

switched to db songs

Atlas atlas-4m8n8u-shard-0 [primary] songs> show collections

**Song\_list**

### Listing all collections

Atlas atlas-4m8n8u-shard-0 [primary] sample\_airbnb> use sample\_airbnb

already on db sample\_airbnb

Atlas atlas-4m8n8u-shard-0 [primary] sample\_airbnb> show collections

**listingsAndReviews**

Atlas atlas-4m8n8u-shard-0 [primary] sample\_airbnb> use sample\_analytics

switched to db sample\_analytics

Atlas atlas-4m8n8u-shard-0 [primary] sample\_analytics> show collections

**accounts**

**customers**

**transactions**

Atlas atlas-4m8n8u-shard-0 [primary] sample\_analytics> use sample\_geospatial

switched to db sample\_geospatial

Atlas atlas-4m8n8u-shard-0 [primary] sample\_geospatial> show collections

**shipwrecks**

Atlas atlas-4m8n8u-shard-0 [primary] sample\_geospatial> use sample\_guides

switched to db sample\_guides

Atlas atlas-4m8n8u-shard-0 [primary] sample\_guides> show collections

**planets**

Atlas atlas-4m8n8u-shard-0 [primary] sample\_guides> use sample\_mflix

switched to db sample\_mflix

Atlas atlas-4m8n8u-shard-0 [primary] sample\_mflix> show collections

**comments**

**movies**

**sessions**

**theaters**

**users**

Atlas atlas-4m8n8u-shard-0 [primary] sample\_mflix> use sample\_restaurants

switched to db sample\_restaurants

```

Atlas atlas-4m8n8u-shard-0 [primary] sample_restaurants> show collections
neighborhoods
restaurants
Atlas atlas-4m8n8u-shard-0 [primary] sample_restaurants> use sample_supplies
switched to db sample_supplies
Atlas atlas-4m8n8u-shard-0 [primary] sample_supplies> show collections
sales
Atlas atlas-4m8n8u-shard-0 [primary] sample_supplies> use sample_training
switched to db sample_training
Atlas atlas-4m8n8u-shard-0 [primary] sample_training> show collections
companies
grades
inspections
posts
routes
trips
zips
Atlas atlas-4m8n8u-shard-0 [primary] sample_training> use sample_weatherdata
switched to db sample_weatherdata
Atlas atlas-4m8n8u-shard-0 [primary] sample_weatherdata> show collections
data
Atlas atlas-4m8n8u-shard-0 [primary] sample_weatherdata> use songs
switched to db songs
Atlas atlas-4m8n8u-shard-0 [primary] songs> show collections
song_list
Atlas atlas-4m8n8u-shard-0 [primary] songs>

```

## Showing all data from all songs

```

Atlas atlas-4m8n8u-shard-0 [primary] songs> db.song_list.find()
[
  {
    _id: ObjectId("642c9ef3f0a5be68b224f3d5"),
    title: 'Stay',
    artist: 'The Kid LAROI',
    genres: [ 'Pop' ]
  },
  {
    _id: ObjectId("642ca0d25a570d980fb1b8ff"),
    title: 'Montero',
    artist: 'Lil Nas X',
    genres: [ 'Hip-Hop', 'Pop' ]
  },
  {
    _id: ObjectId("642ca1025a570d980fb1b900"),
    title: 'Good 4 U',
    artist: 'Olivia Rodrigo',
    genres: [ 'Pop Punk' ]
  },
  {

```

```
_id: ObjectId("642cd7461ed93c6e619b10bb"),
title: 'Levitating',
artist: 'Dua Lipa',
genres: [ 'Disco Pop' ]
},
{
  _id: ObjectId("642ce4d31ed93c6e619b10be"),
  title: 'Leave The Door Open',
  artist: 'Silk Sonic',
  genres: [ 'R&B', 'Funk' ]
},
{
  _id: ObjectId("642ce4f41ed93c6e619b10bf"),
  title: 'Peaches',
  artist: 'Justin Bieber',
  genres: [ 'Pop', 'R&B' ]
},
{
  _id: ObjectId("642ce5131ed93c6e619b10c0"),
  title: 'Kiss Me More',
  artist: 'Doja Cat',
  genres: [ 'Pop', 'R&B' ]
},
{
  _id: ObjectId("642ce52a1ed93c6e619b10c1"),
  title: 'Save Your Tears',
  artist: 'The Weeknd',
  genres: [ 'Pop', 'R&B' ]
},
{
  _id: ObjectId("642ce5391ed93c6e619b10c2"),
  title: 'Heat Waves',
  artist: 'Glass Animals',
  genres: [ 'Alternative', 'Indie' ]
},
{
  _id: ObjectId("642ce5511ed93c6e619b10c3"),
  title: 'drivers license',
  artist: 'Olivia Rodrigo',
  genres: [ 'Pop' ]
}
]
```

Showing song titles only from one genre (Pop)

Atlas atlas-4m8n8u-shard-0 [primary] songs> db.song\_list.find({ genres: "Pop" }, { \_id: 0, title: 1 })

```
[
  { title: 'Stay' },
  { title: 'Montero' },
  { title: 'Peaches' },
  { title: 'Kiss Me More' },
  { title: 'Save Your Tears' },
  { title: 'drivers license' }
]
```

### Questions

1a) For an SQL database, I used siteground as the editor and server. I also use phpMyAdmin to access the database.

b) For a NoSQL database, I used MongoDB to access the database and the terminal to find specific data and filter them if I want to.

2. I prefer working with SQL database because I think its more oriented and organized. It is also easier to read the data and filter it in MyPHPAdmin than it is in MongoDB.