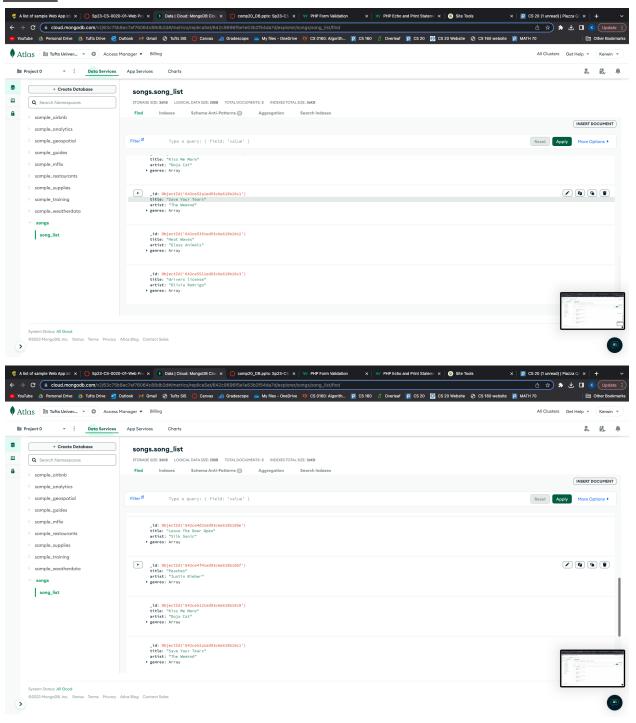# Part 1

Part 2

Atlas atlas-4m8n8u-shard-0 [primary] myFirstDatabase> show dbs;
sample_airbnb   52.20 MiB
sample_analytics   9.15 MiB
sample_geospatial   1.36 MiB
sample_guides   40.00 KiB
sample_mflix   46.68 MiB
sample_restaurants 6.59 MiB
sample_supplies   1.14 MiB
sample_training   54.40 MiB
sample_weatherdata 2.78 MiB
songs   72.00 KiB
admin   368.00 KiB
local   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.