

COMP 3150 Lab 5

Output upon first running the program:

```
Connected to the database successfully.
Welcome to SongStat. What would you like to do?
0) Exit program
1) Find any songs that haven't been listened to
2) Find any albums that haven't been listened to yet
3) Add death date to an artist who has passed away
4) List all songs in the database
5) Find the most listened to song
6) Find the most listened to album
7) Display the average number of times songs have been listened to
8) Display the total number of songs listened to
9) Display how many songs an artist features on
10) Get the total number of songs listened to on a particular album
What would you like to do?
```

- 1) Find any songs that haven't been listened to yet:

```
1
SongName = Pain 1993
```

- 2) Find any albums that haven't been listened to yet:

```
2
AlbumName = Dark Lane Demo Tapes
```

- 3) Add death date to an artist who has passed away:

```
3
Enter the name of the artist who died
Drake
Enter the date that the artist died
August 2, 2022
New entry for artist
DateOfDeath = August 2, 2022
```

- 4) List all songs in the database:

```
4
SongName = Forever
SongName = *wokeuplikethis
SongName = Pain 1993
SongName = Welcome to the Party
SongName = Stronger
```

- 5) Find the most listened to song:

```
5
Most listened to song
SongName = Forever
```

- 6) Find the most listened to album:

```
6
Most listened to album
AlbumName = Relapse: Refill
```

- 7) Display the average number of times songs have been listened to:

```
7
Average number of times songs have been listened to:
AVG(NumberOfTimesListenedTo) = 40.6
```

- 8) Display the total number of songs listened to:

```
8
Total number of times songs have been listened to:
SUM(NumberOfTimesListenedTo) = 203
```

- 9) Display how many songs an artist features on:

```
9
Enter the artist ID of the artist in question
1
COUNT(*) = 1
```

- 10) Get the total number of songs listened to on a particular album:

```
10
Enter the album ID of the album in question
1
SUM(NumberOfTimesListenedTo) = 150
```