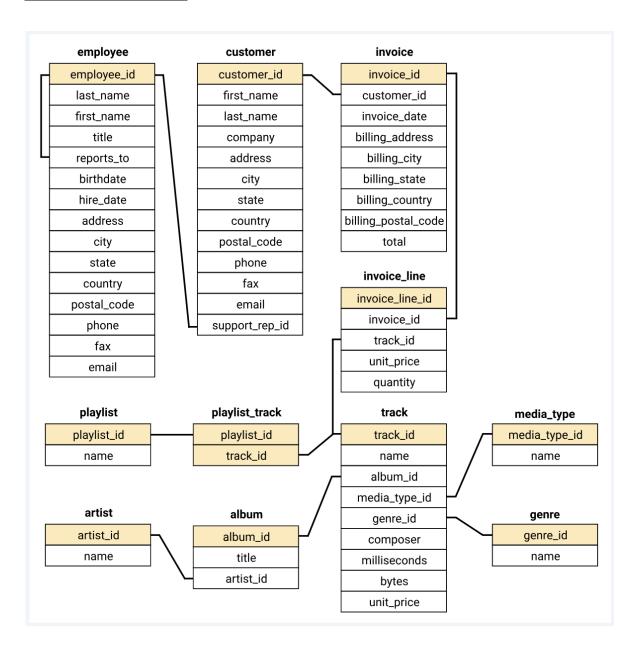
# PROJECT:- 4 MUSIC STORE DATA ANALYSIS IN SQL

- You are hired as a data analyst at a music store, let's call it "Spotify". You're given access to a database with information about customers, singers, and more.
- As you explore connections between the data, your manager shares exciting news: the company plans to launch a new product! They need insights from the data to guide their decision-making.
- Your task is to analyse the database and provide answers to your manager's problem statements

## **Problem Statements**

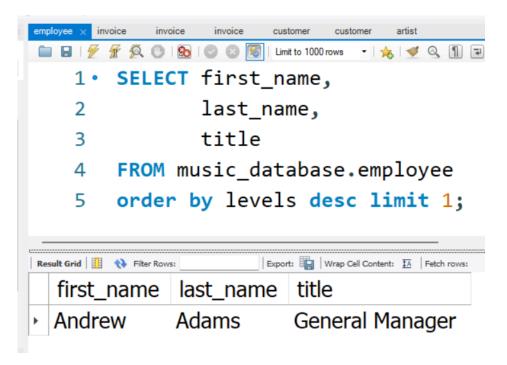
- 1. We want to assign an senior employee to lead that project. Who is the senior most employee based on job title?
- 2. Which county has most number of Invoices?
- 3. What is value of top 3 invoices?
- 4. We would like to throw a promotional Music Festival in the city we made the most money. Which city has the best customers?
- 5. Who is the best customer? The customer who has spent the most money will be declared the best customer.
- 6. Details of customers who listens Rock music.
- 7. Let's invite the artists who have written the most rock music in our dataset.
- 8. We want to find out the most popular music Genre for each country.

# **Database Schema:**

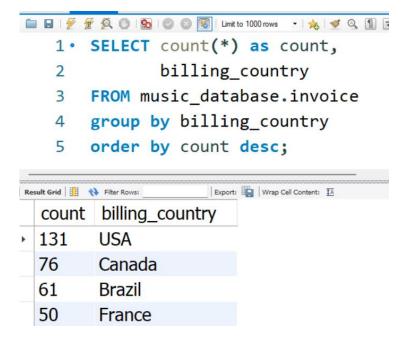


# **Problem Statements:**

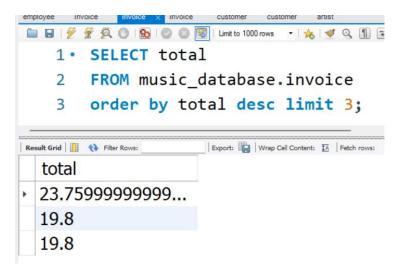
1. Who is the senior most employee based on job title?



2. Which countries have the most Invoices?



3. What are top 3 values of total invoice?



4. Which city has the best customers? We would like to throw a promotional Music Festival in the city we made the most money.

5. Who is the best customer? The customer who has spent the most money will be declared the best customer.

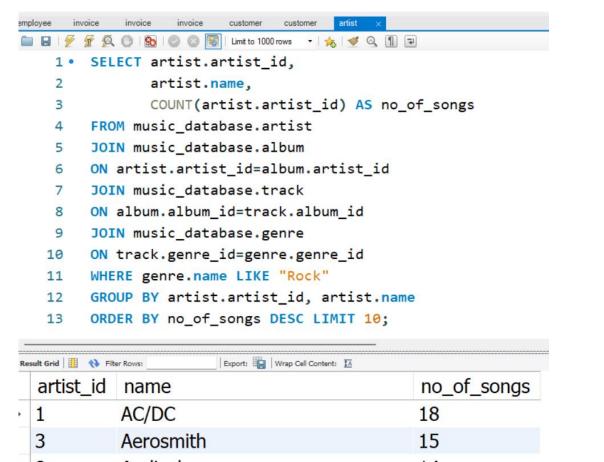
```
🗎 📙 | 🐓 💯 👰 🔘 | 🟡 | 🥥 🔕 📳 | Limit to 1000 rows 🔹 | 🚖 | 🥩 🔍 🗻
   1 • SELECT customer.customer_id,
               first_name,
   2
   3
               last name,
   4
               sum(invoice.total) as Amount
       FROM music_database.customer
   5
       JOIN music_database.invoice
   6
   7
       ON customer.customer_id=invoice.customer_id
       GROUP BY customer.customer_id,
   8
   9
                  customer.first_name,
                  customer.last name
  10
       ORDER BY Amount DESC
  11
  12
       LIMIT 1;
esult Grid 🔢 🙌 Filter Rows:
                      Export: Wrap Cell Content: 🔣 | Fetch rows:
 customer_id first_name last_name Amount
               FrantiÅiek WichterlovÃi 144.5400000000...
 5
```

6. Write query to return the email, first name, last name, & Genre of all Rock Music listeners. Return your list ordered alphabetically by email starting with A.

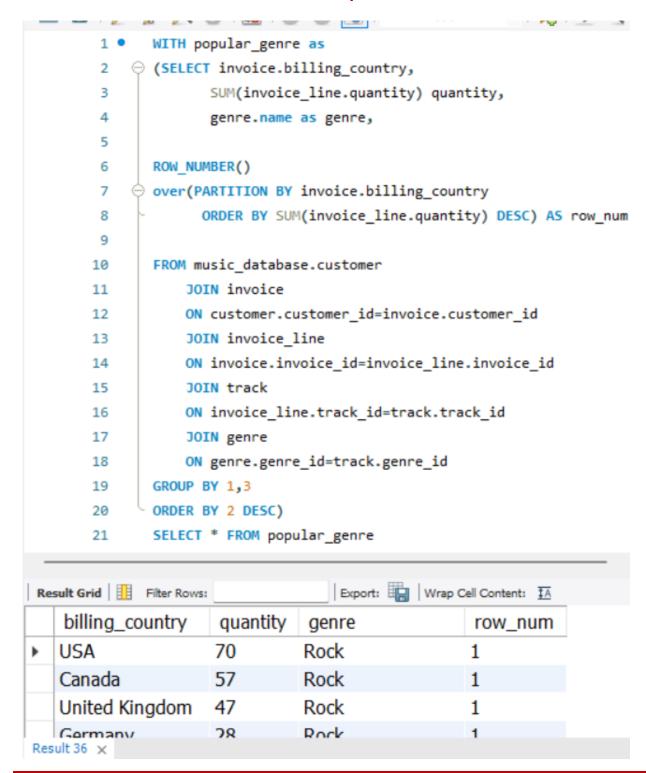
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🗀 🖫 | 🥖 😿 👰 🔘 | 🟡 | 📀 🔞 🔞 | Limit to 1000 rows 🕝 🚖 | 🥩 🔍 🕦 📦
        SELECT DISTINCT email,
    2
                         first_name,
                         last name
    3
        FROM music_database.customer
    5
        JOIN music database.invoice
        ON customer.customer id=invoice.customer id
        JOIN music_database.invoice_line
    7
        ON invoice_line.invoice_id=invoice.invoice_id

    ∀ WHERE track_id IN (
    9
                            SELECT track_id FROM music_database.track
   10
                            JOIN music_database.genre
   11
   12
                            ON track.track_id=genre.genre_id
                            where genre.name LIKE "Rock")
   13
        ORDER BY email asc;
   14
                        Export: Wrap Cell Content: IA
email
                        first name last name
 aaronmitchell@y...
                                     Mitchell
                       Aaron
 iohavanderberg...
                       Johannes
                                     Van der Berg
```

7.Let's invite the artists who have written the most rock music in our dataset. Write a query that returns the Artist name and total track count of the top 10 rock bands.



8. We want to find out the most popular music Genre for each country. We determine the most popular genre as the genre with the highest amount of purchases. Write a query that returns each country along with the top Genre. For countries where the maximum number of purchases is shared return all Genres



### 9. Determine which customer has spent the most on music for each country.

### OR

Write a query that returns the country along with the top customer and how

