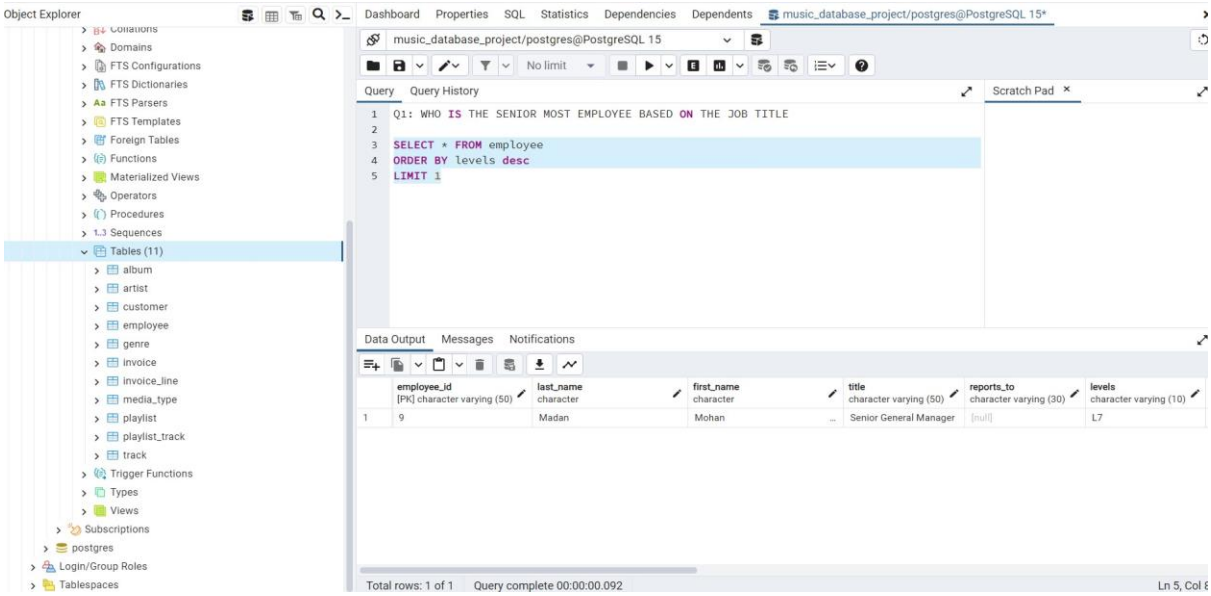
SQL PROJECT: -

This project uses a database of music CD sales data to answer a variety of questions about the business. The questions are divided into two categories:

- Business intelligence questions: These questions are designed to help the business understand its customers, products, and sales. For example, the questions in this category can be used to identify the most popular music genres, the best-selling artists, and the most profitable cities.
- Customer relationship management (CRM) questions: These questions are designed to help the business understand its customers and their buying habits. For example, the questions in this category can be used to identify the most loyal customers, the customers who are most likely to churn, and the customers who are most likely to spend more money.

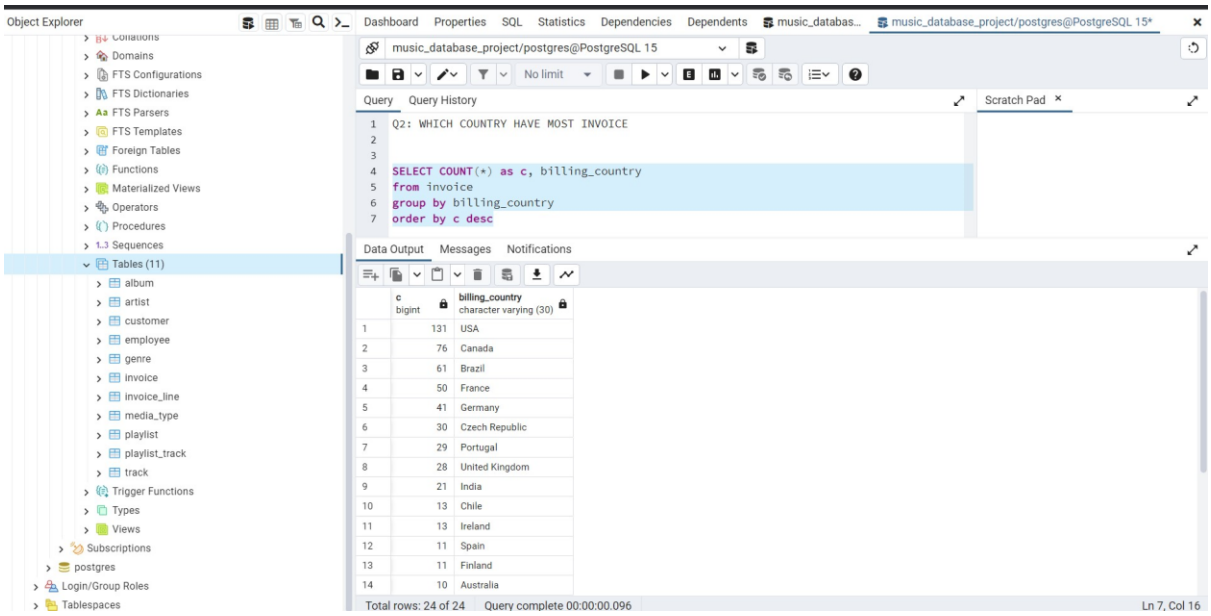
The project uses a variety of SQL queries to answer the questions.

Q1: Who is the senior most employee based on job?



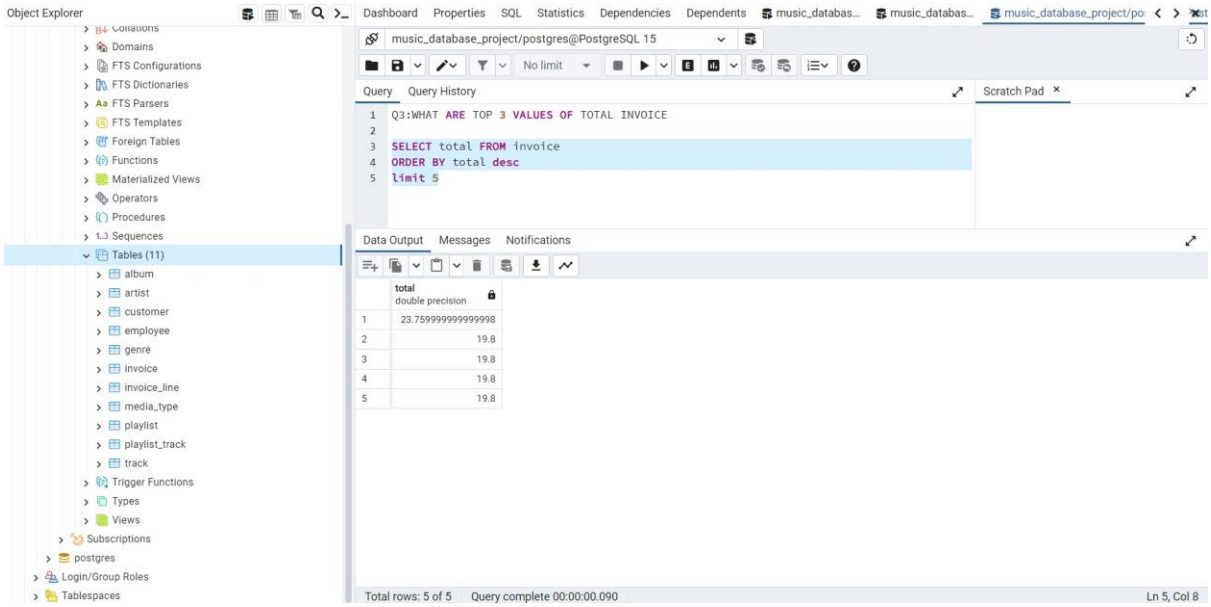
- This query uses the job_title and employee_id tables to find the employee with the highest-ranking job title.

Q2: Which countries have the most Invoices?



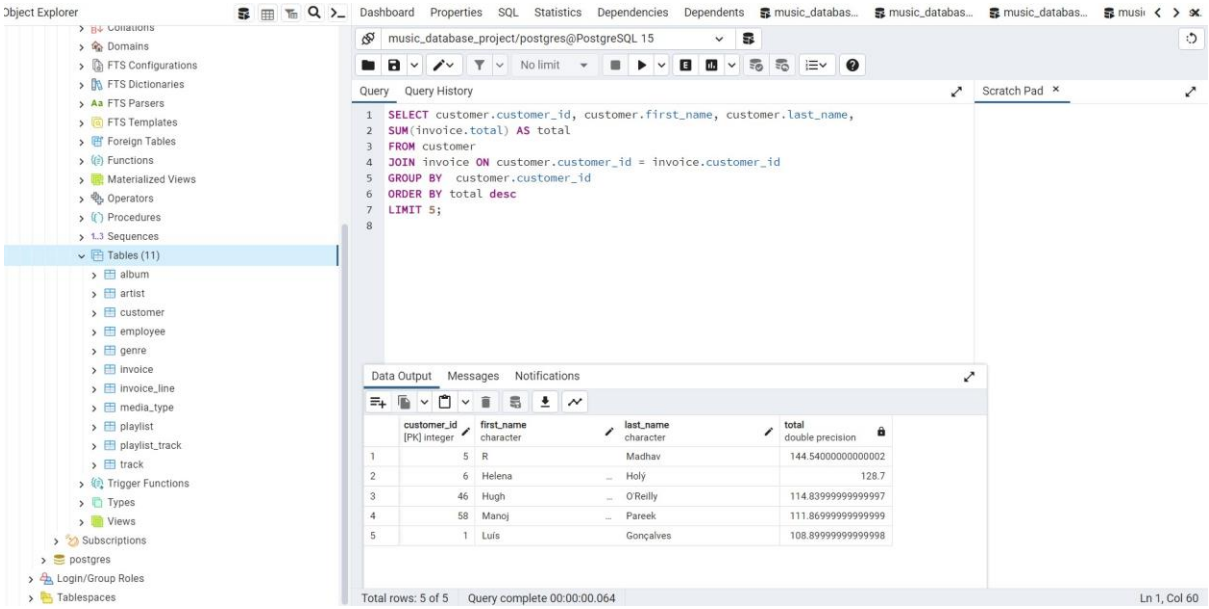
- This query uses the invoices table to count the number of invoices from each country. The results are sorted by the number of invoices, with the country with the most invoices listed first.

Q3: What are top 3 values of total invoice?



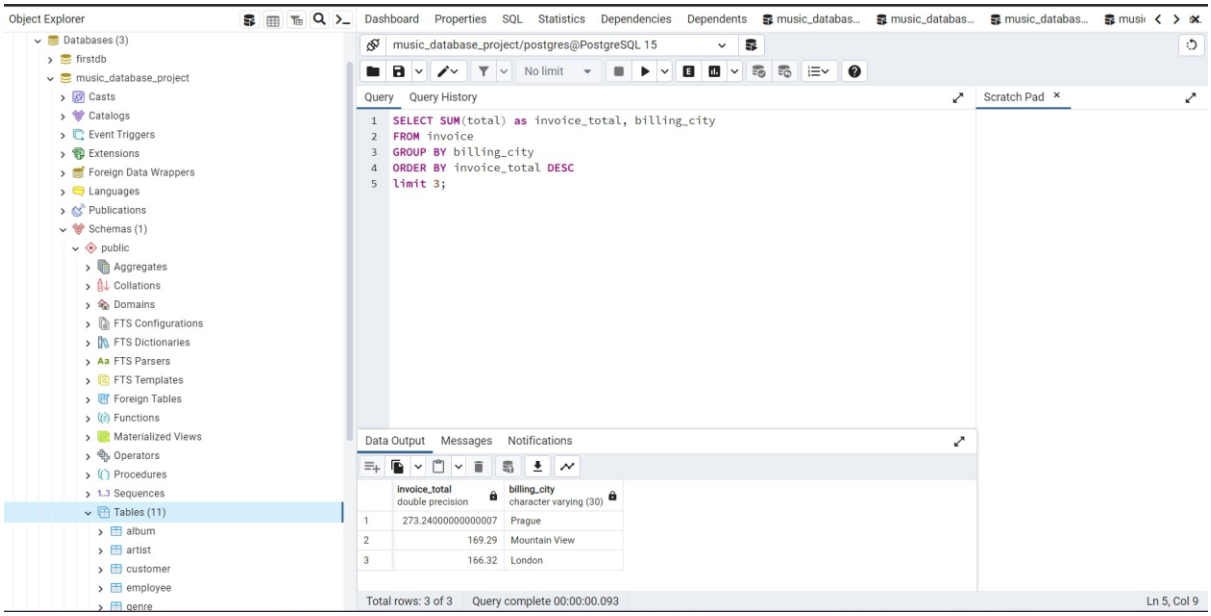
- This query uses the invoices table to find the top 3 values of the total column. The results are sorted by the total column, with the highest value listed first.

Q4: Which city has the best customers?



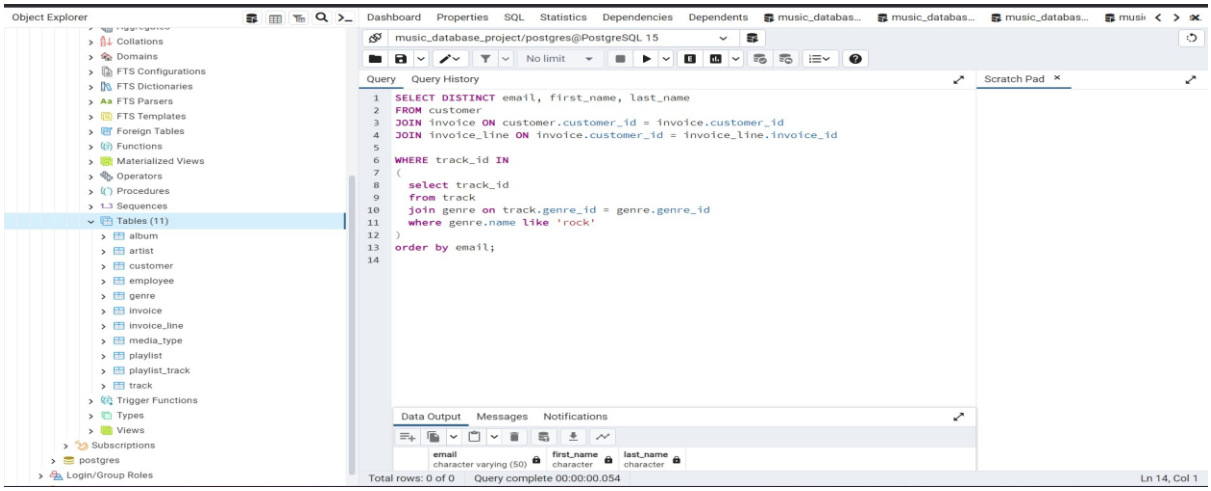
- This query uses the invoices and customers tables to find the city with the highest sum of invoice totals. The results are sorted by the sum of invoice totals, with the city with the highest total listed first

Q5: Who is the best customer?



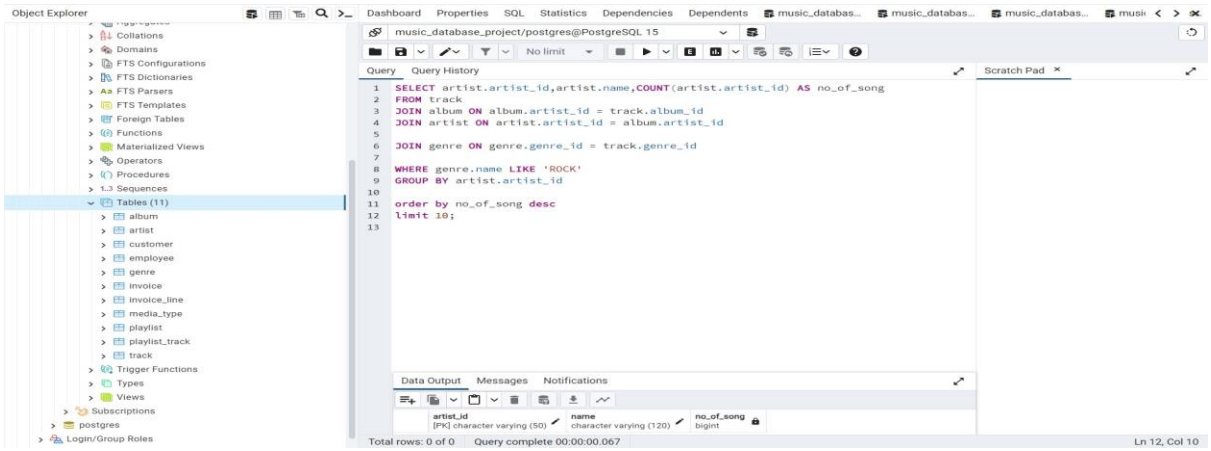
- This query uses the invoices and customers tables to find the customer who has spent the most money. The results are sorted by the total amount spent, with the customer who has spent the most money listed first.

Q6: 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



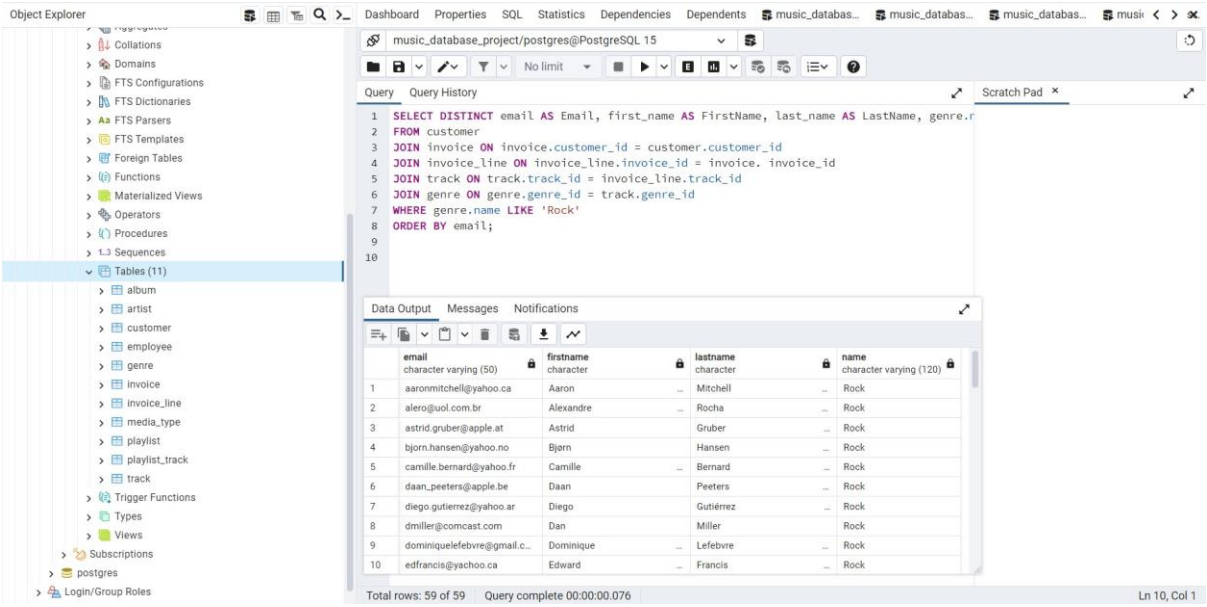
- This query uses the customers and genres tables to find all customers who listen to rock music. The results are sorted by the customer's email address, starting with the letter "A".

Q7: 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



- This query uses the artists and tracks tables to find the top 10 artists who have written the most rock music. The results are sorted by the number of tracks, with the artist with the most tracks listed first

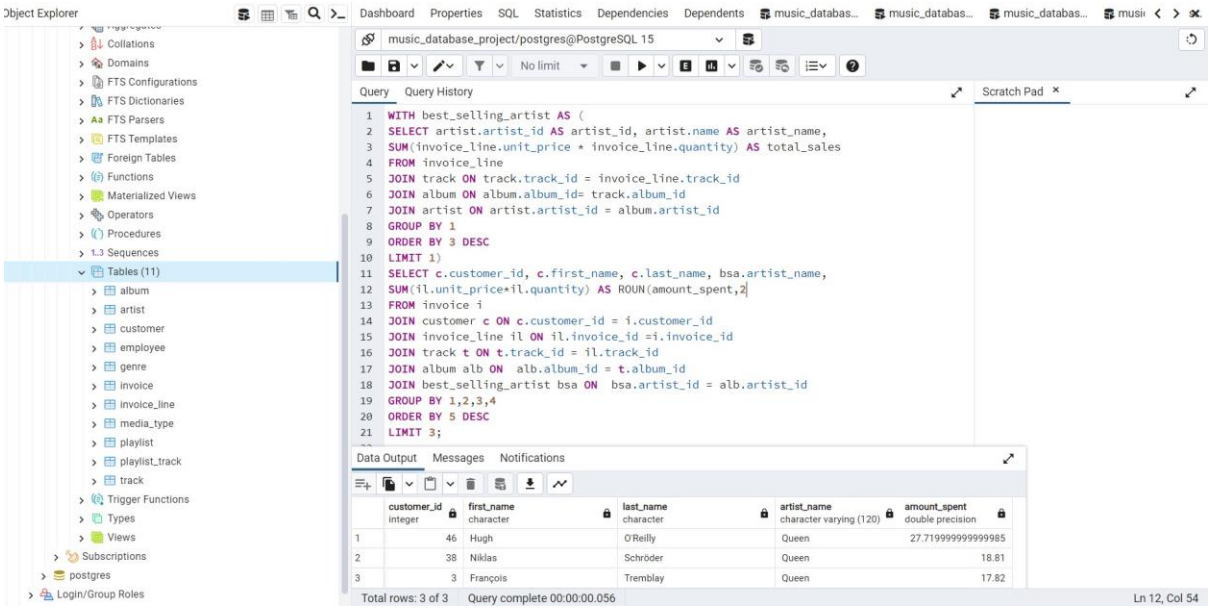
Q8: Return all the track names that have a song length longer than the average song length. Return the Name and Milliseconds for each track. Order by the song length with the longest songs listed first



- This query uses the tracks table to find all tracks that are longer than the average song length. The results are sorted by the song length, with the longest songs listed first.

Q9: Find how much amount spent by each customer on artists? Write a query to return customer name, artist name and total spent

- This query uses the invoices, customers, and tracks tables to find how much each customer has spent on each artist. The results are sorted by the customer name, with the customer who has spent the most money on each artist listed first.



- This is just a brief overview of the SQL project you have created