SQL PROJECT

on

Music_store_analysis

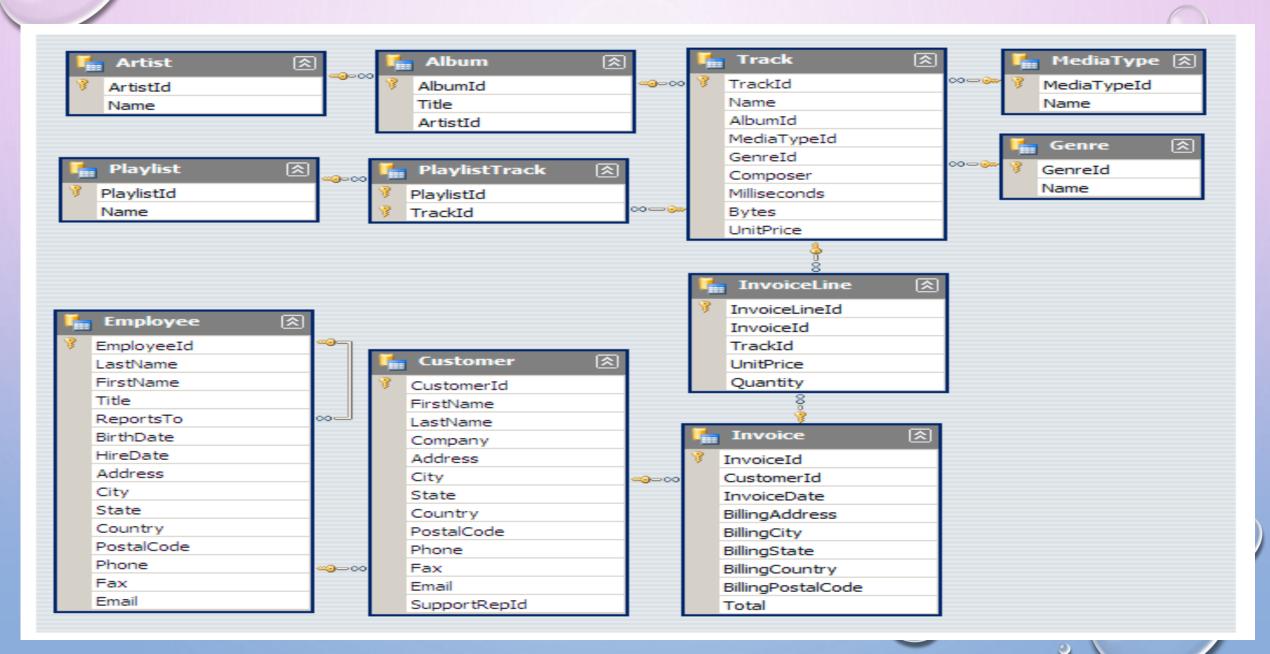
Database used PostgreSQL Tool used pgAdmin4



About Project

In this guided project, we will be working with a database called music_store_database which contains information about a fictional music store. The database includes several tables on invoice information, track, album, artist, and genre data, and employee and customer information related to the store's sales. We will use this PostgreSQL database and pgAdmin4 tool in order to explore and analyze three fictional sets of Business questions and Propositions. Questions consist of three sets(easy, moderate, and advanced). Each set of levels consists of questions with their answers and images of the following output.

No. of Tables

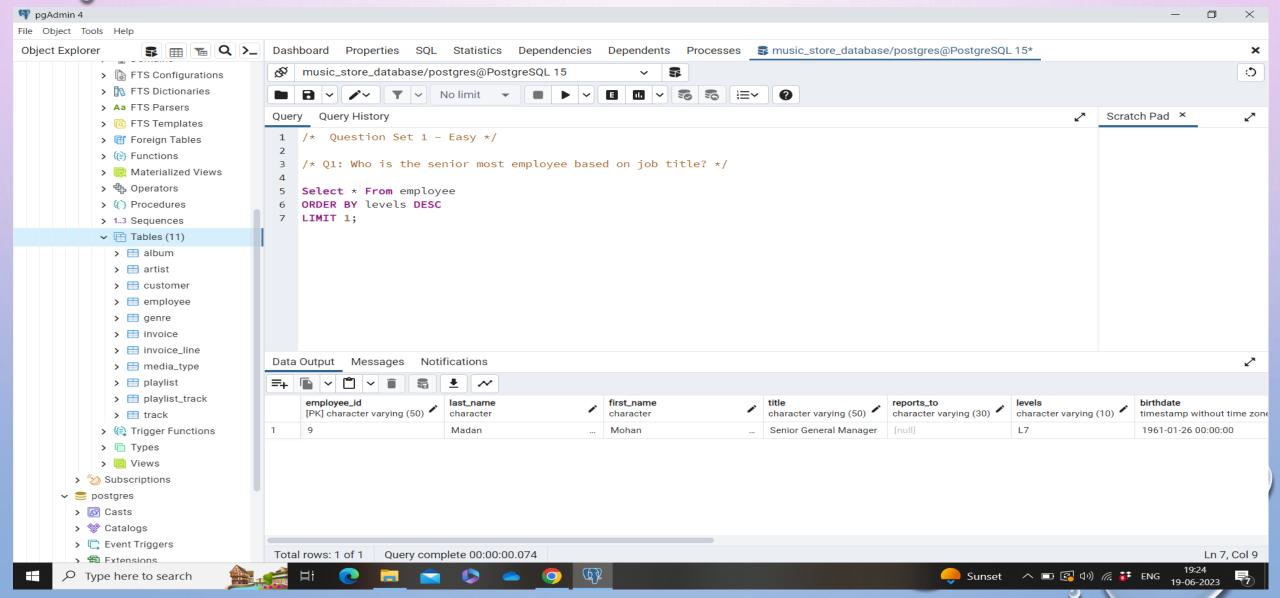


Question Set 1 - Easy

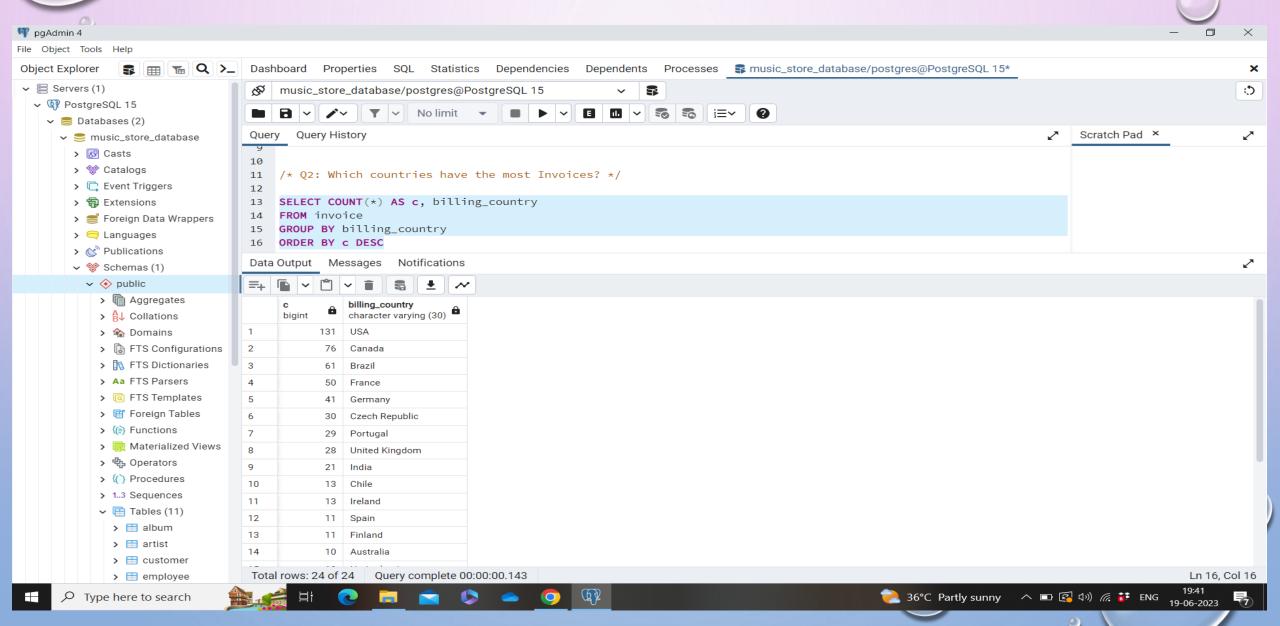
- 1. Who is the senior most employee based on job title?
- 2. Which countries have the most Invoices?
- 3. What are the top 3 values of the total invoice?
- 4. Which city has the best customers? We would like to throw a promotional Music Festival in the city we made the most money. Write a query that returns one city that has the highest sum of invoice totals. Return both the city name & sum of all invoice totals.
- 5. Who is the best customer? The customer who has spent the most money will be declared the best customer. Write a query that returns the person who has spent the most money.

Answers Set 1 – Easy

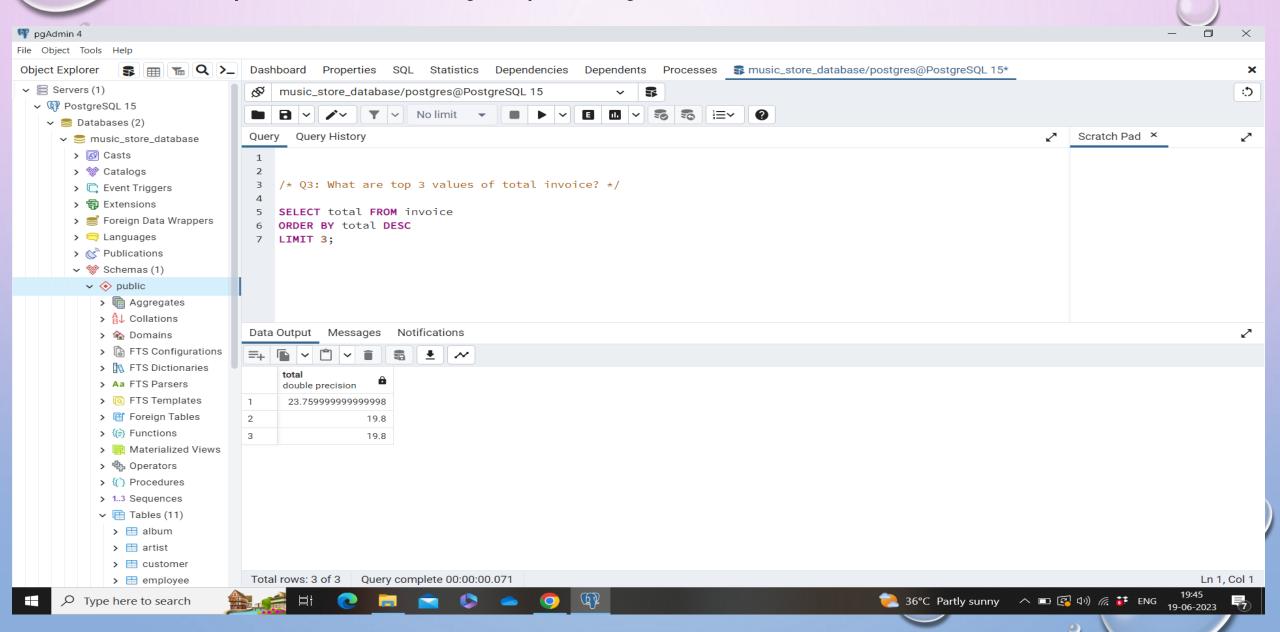
Ans 1. Query with the following output image



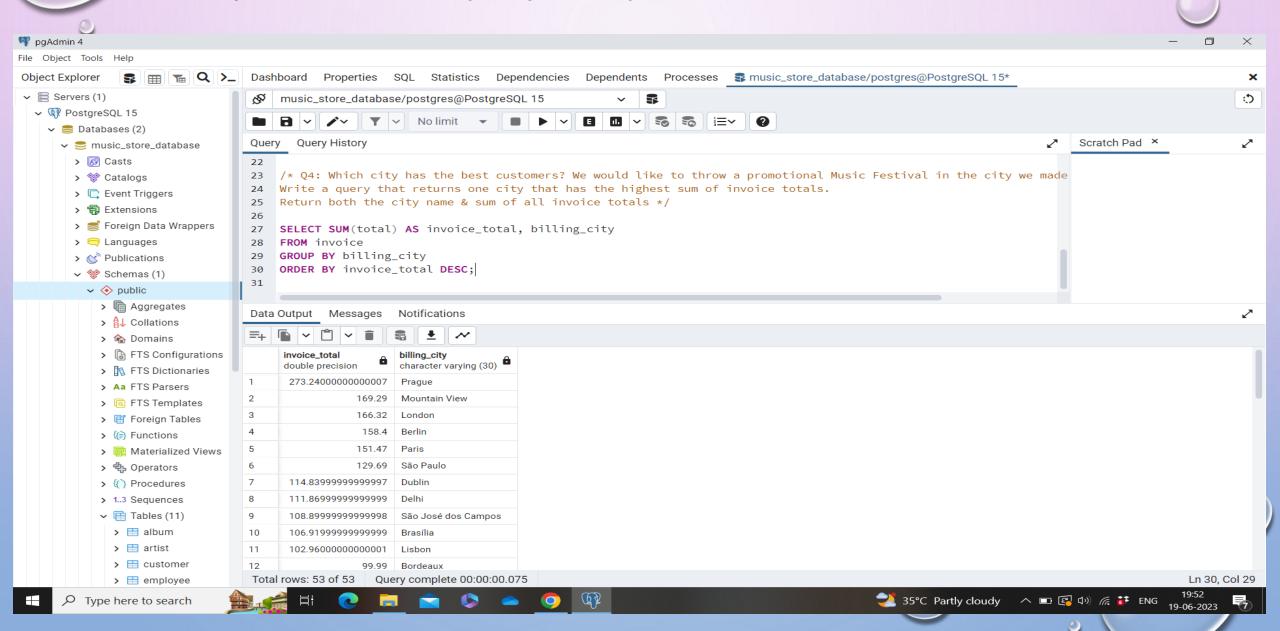
Ans 2. Query with the following output image



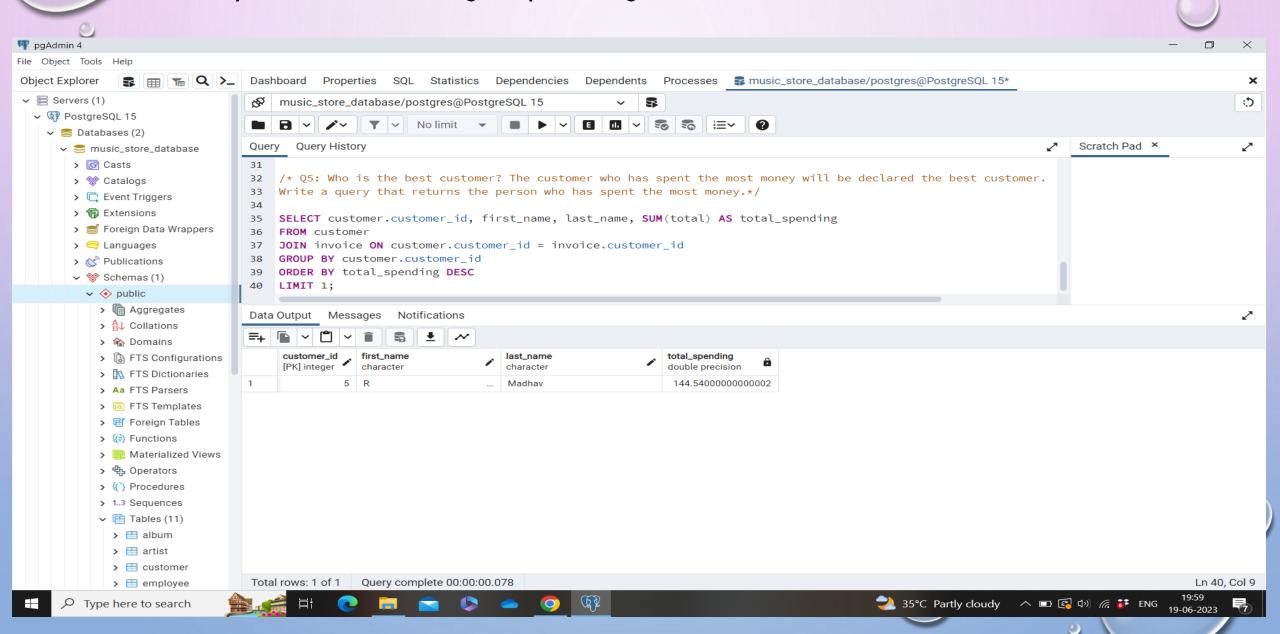
Ans3. Query with the following output image



Ans4. Query with the following output image



Ans 5. Query with the following output image



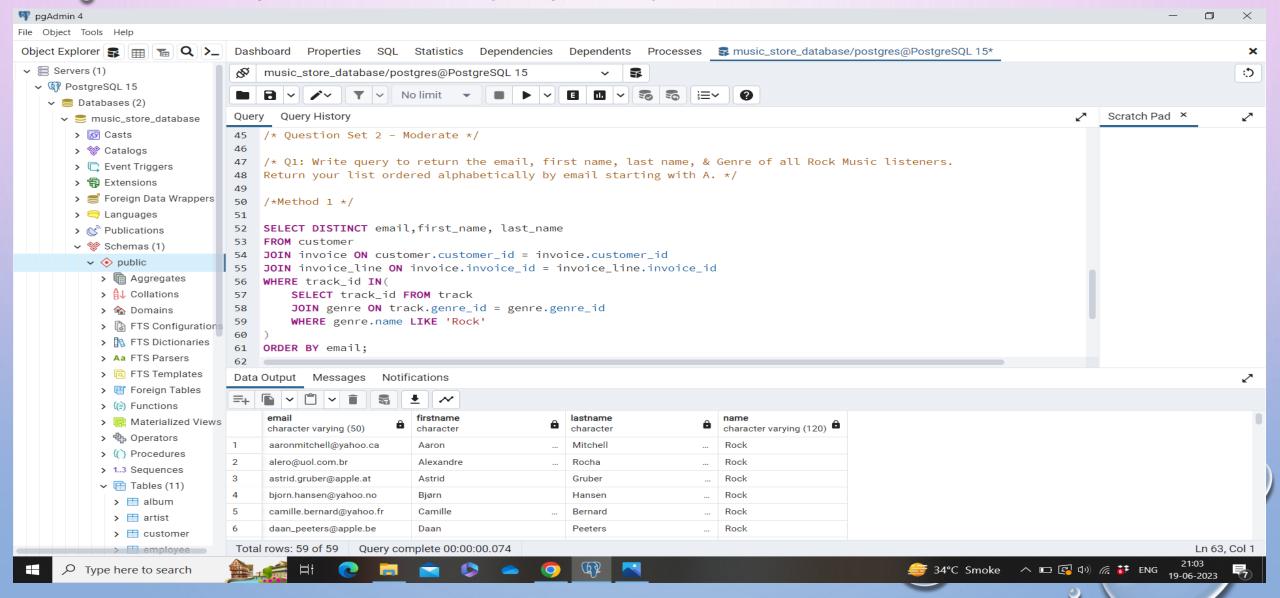
Question Set 2 - Moderate

- 1. Write a 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.
- 2. 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.
- 3. Return all the track names with a song length longer than the average.

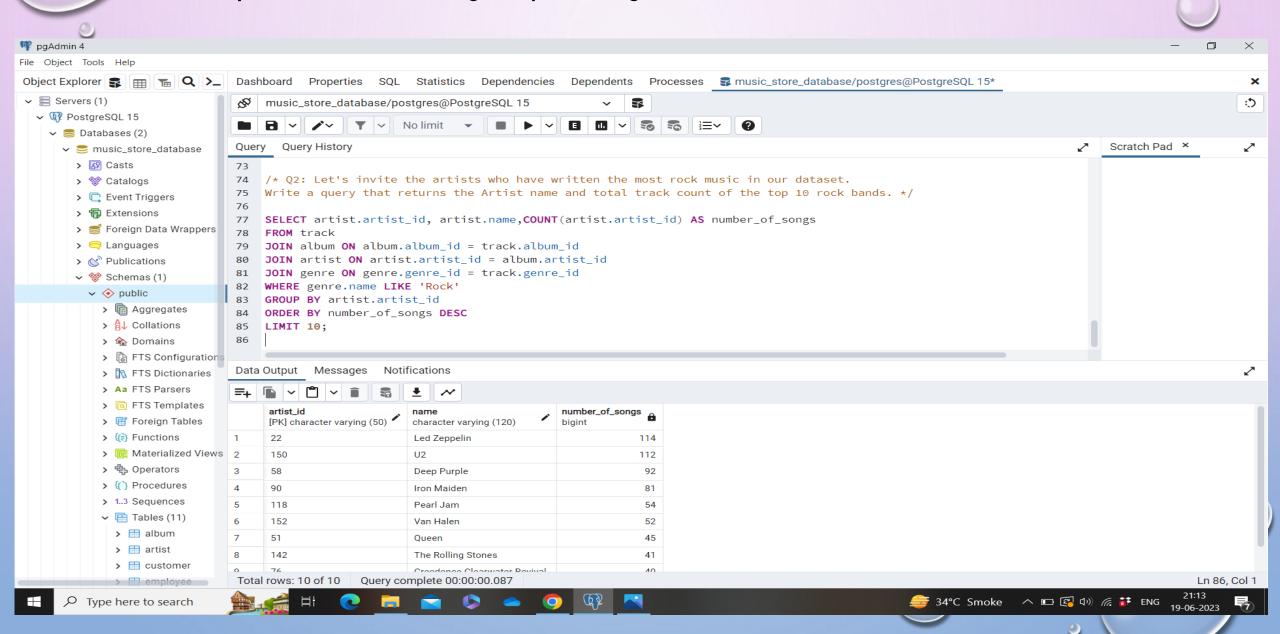
 Return the Name and Milliseconds for each track. Order by the song length with the longest songs listed first.

Answers Set 2 - Moderate

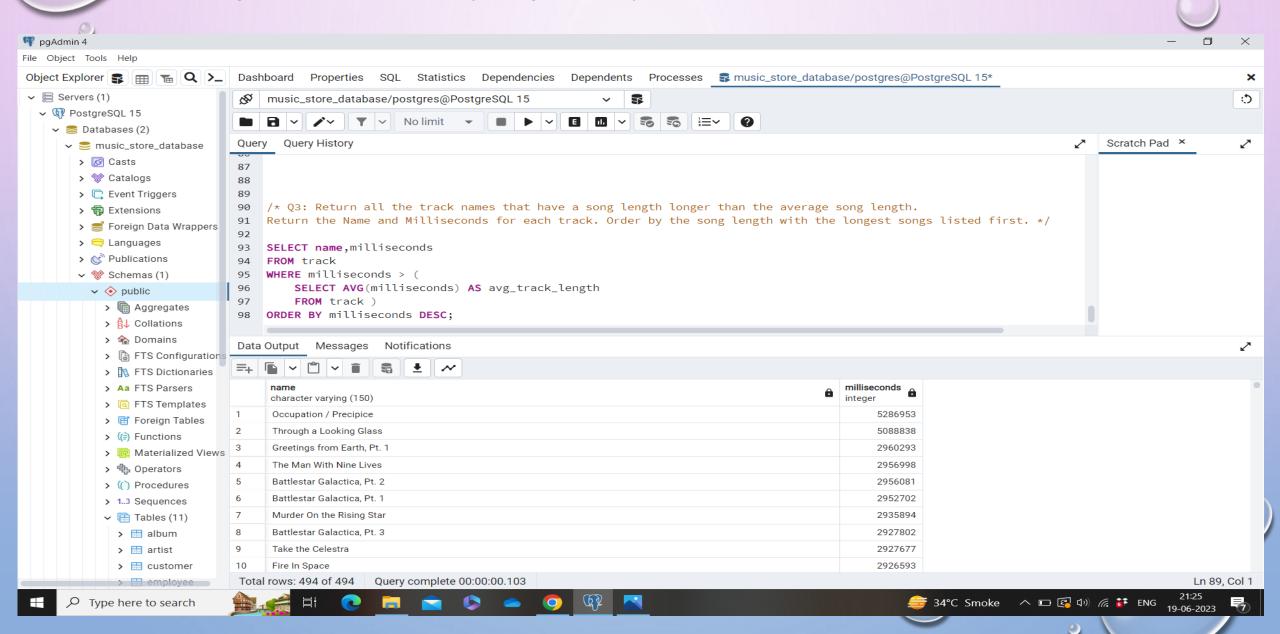
Ans 1. Query with the following output Image



Ans 2. Query with the following output image



Ans3. Query with the following output image

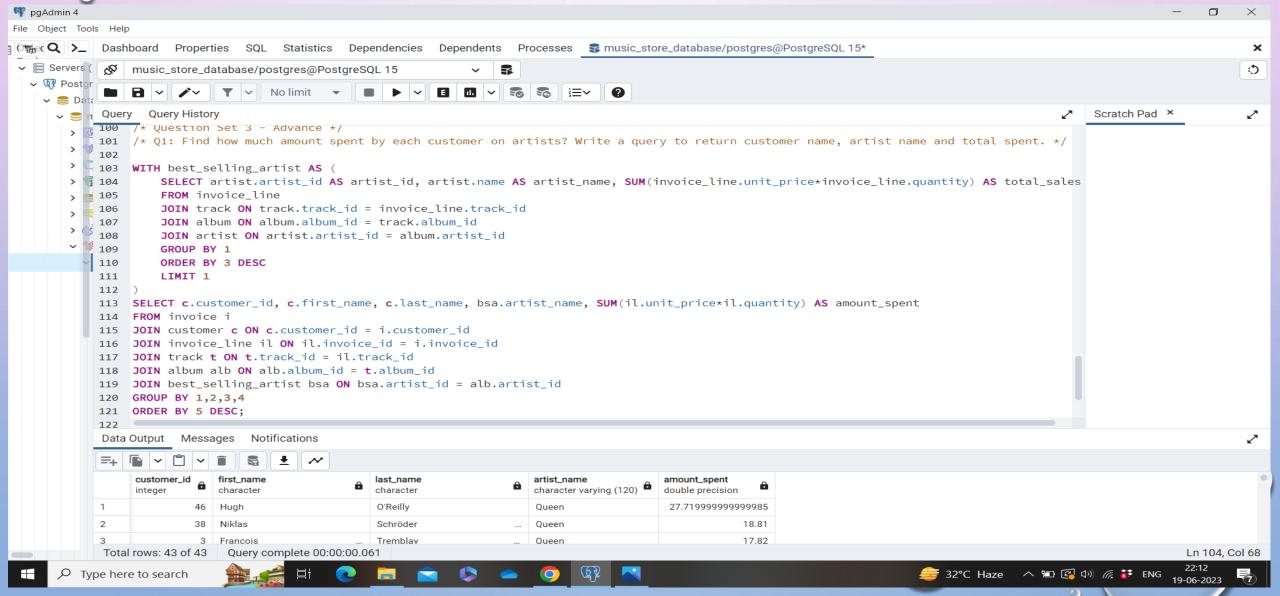


Question Set 3 - Advance

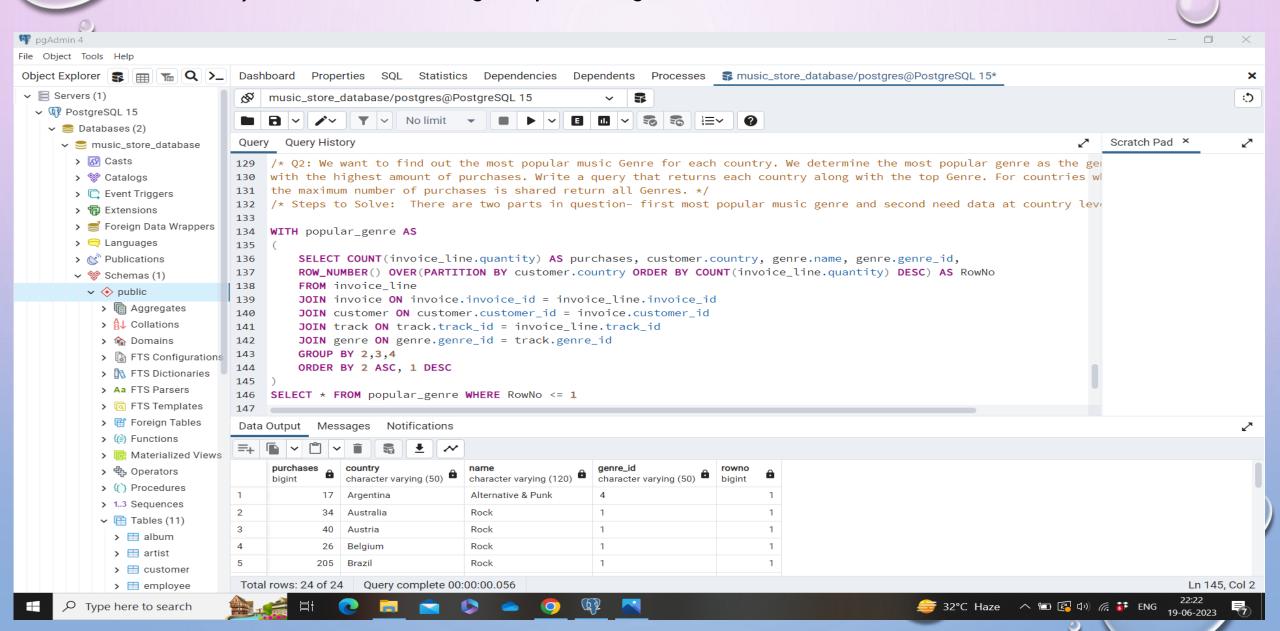
- 1. Find how much amount spent by each customer on artists? Write a query to return the customer name, artist name, and total spent.
- 2. We want to find out the most popular music Genre for each country. We determine the most popular genre as the genre with the highest amount of purchases. Write a query that returns each country along with the top Genre. For countries where the maximum number of purchases is shared return all Genres.
- 3. Write a query that determines the customer that has spent the most on music for each country. Write a query that returns the country along with the top customer and how much they spent. For countries where the top amount spent is shared, provide all customers who spent this amount.

Answers Set 3 - Advance

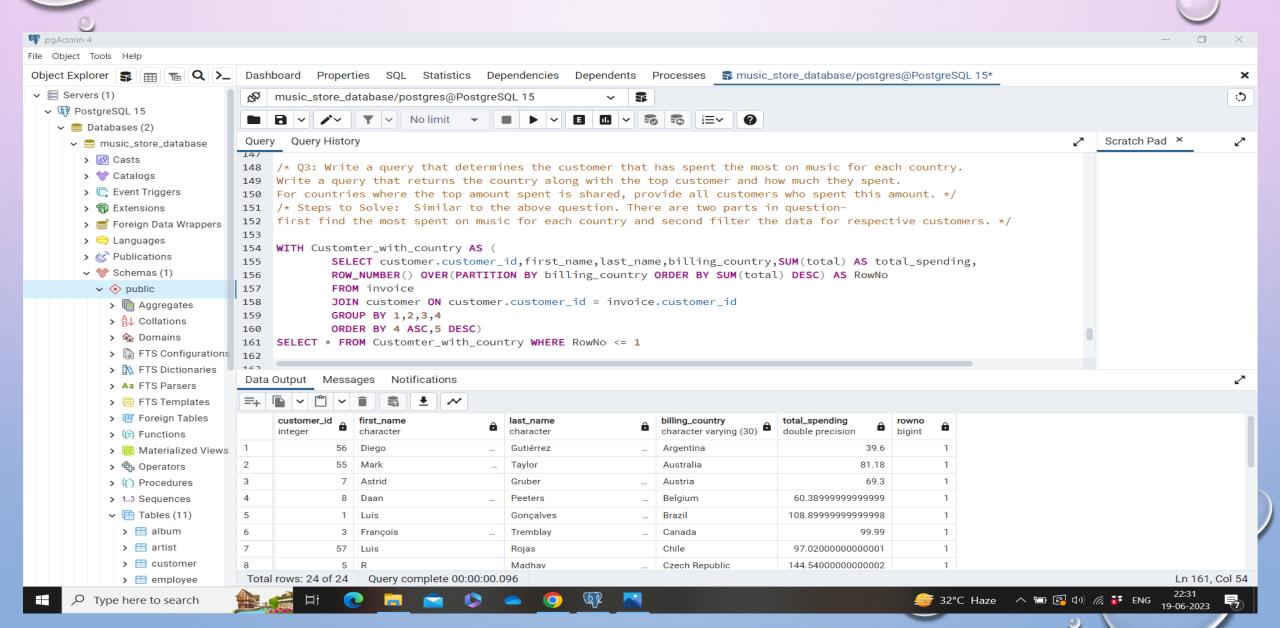
Ans 1. Query with the following output Image



Ans 2. Query with the following output image



Ans3. Query with the following output image





It's done

THANK YOU

You can find the complete project code on my GitHub Repository https://github.com/neha071999/SQL Music store analysis