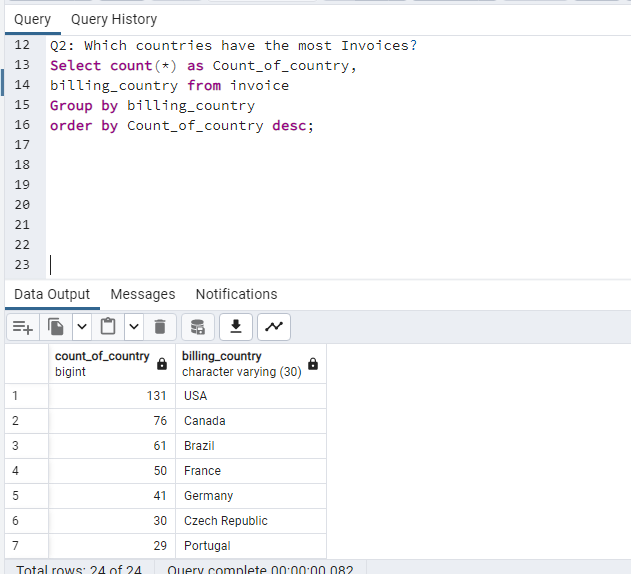
**Music Store data analysis Project using SQL**

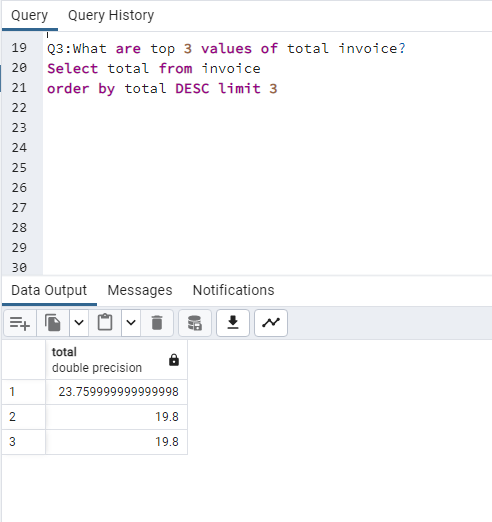
1. Who is the senior most employee based on job title?



2. Which countries have the most Invoices?



3. What are top 3 values of total invoice?

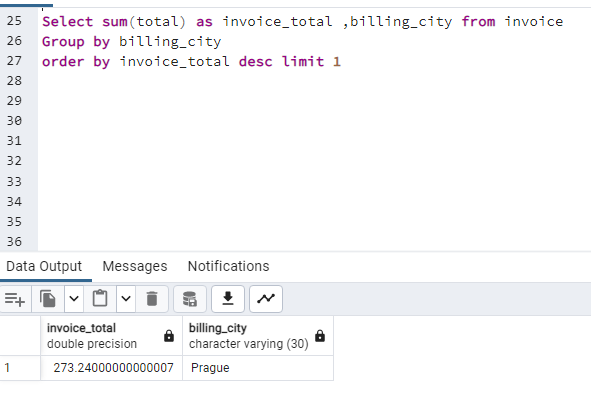


Q4 . Which city has the best customers? We would like to throw a promotional Music

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

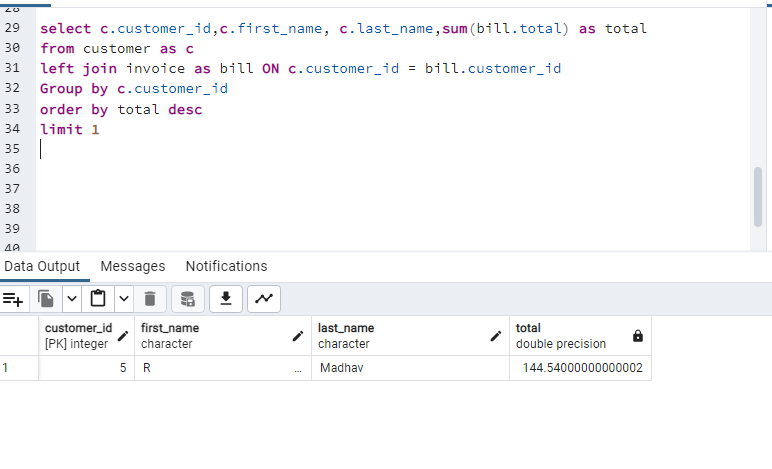
totals.



Q5. Who is the best customer? The customer who has spent the most money will be

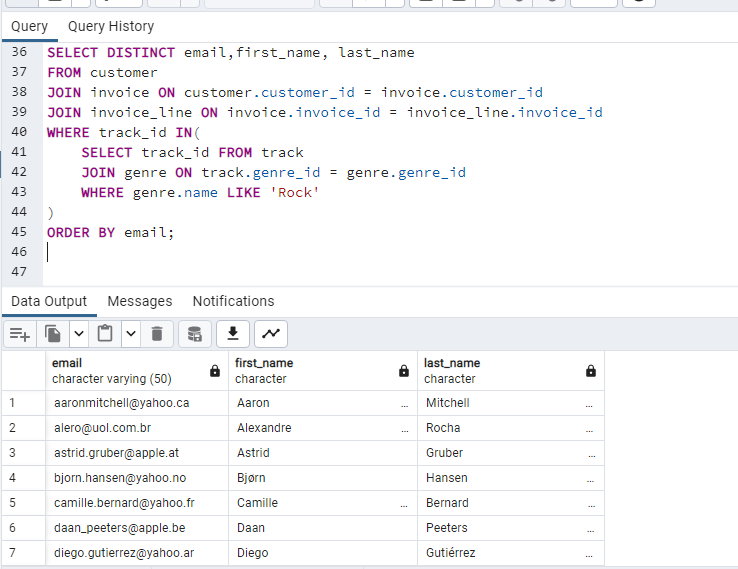
declared the best customer. Write a query that returns the person who has spent the

most money



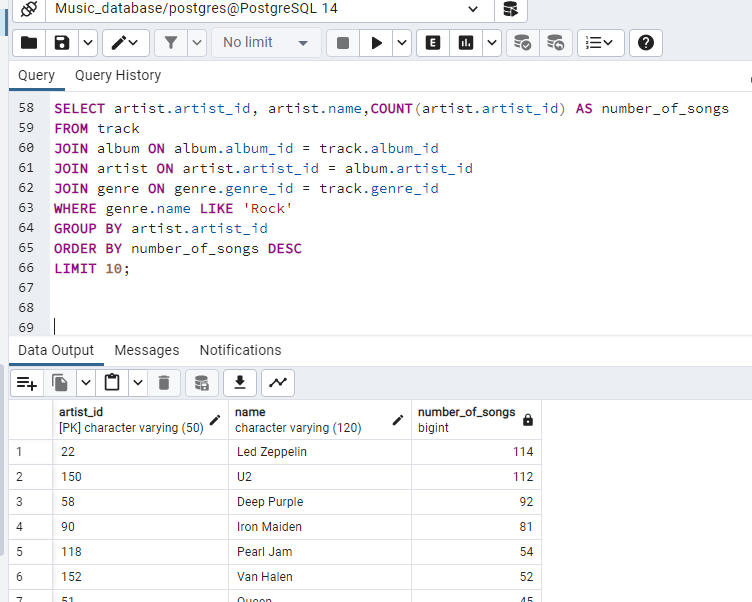
Q6. Write query to return the email, first name, last name, & Genre of all Rock Music

listeners. Return your list ordered alphabetically by email starting with A



Q7. Let's invite the artists who have written the most rock music in our dataset. Write a

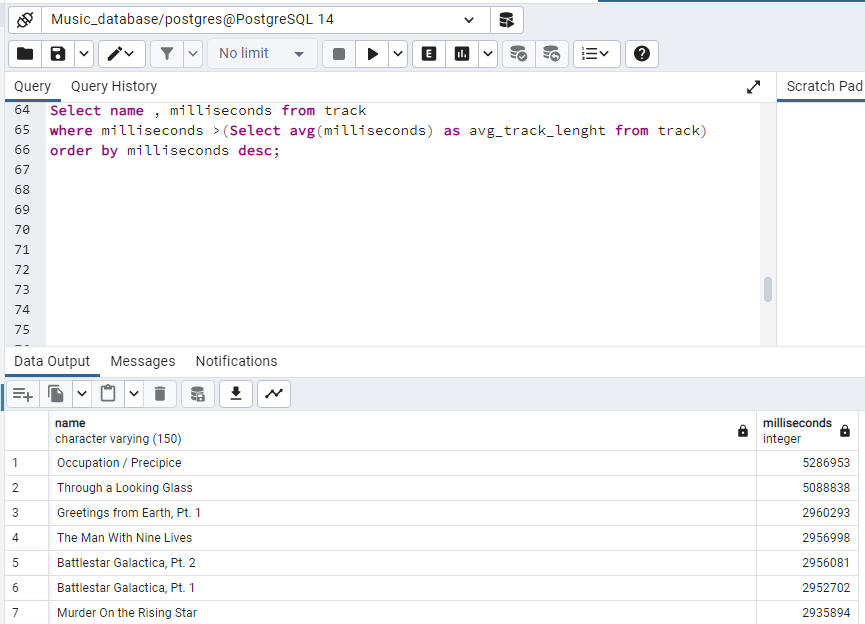
query that returns the Artist name and total track count of the top 10 rock bands



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



Q9. Find how much amount spent by each customer on artists? Write a query to return

customer name, artist name and total spent.

WITH best\_selling\_artist AS (

SELECT artist.artist\_id AS artist\_id, artist.name AS artist\_name, SUM(invoice\_line.unit\_price\*invoice\_line.quantity) AS total\_sales

FROM invoice\_line

JOIN track ON track.track\_id = invoice\_line.track\_id

JOIN album ON album.album\_id = track.album\_id

JOIN artist ON artist.artist\_id = album.artist\_id

GROUP BY 1

ORDER BY 3 DESC

LIMIT 1

)

SELECT c.customer\_id, c.first\_name, c.last\_name, bsa.artist\_name, SUM(il.unit\_price\*il.quantity) AS amount\_spent

FROM invoice i

JOIN customer c ON c.customer\_id = i.customer\_id

JOIN invoice\_line il ON il.invoice\_id = i.invoice\_id

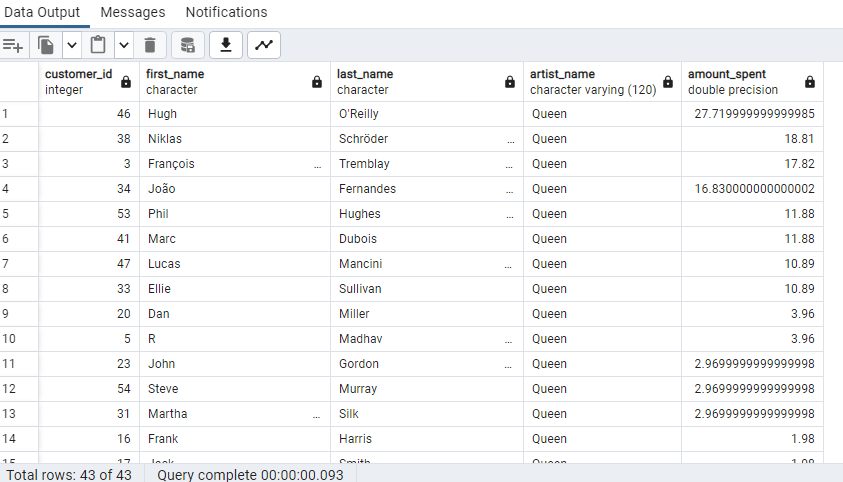
JOIN track t ON t.track\_id = il.track\_id

JOIN album alb ON alb.album\_id = t.album\_id

JOIN best\_selling\_artist bsa ON bsa.artist\_id = alb.artist\_id

GROUP BY 1,2,3,4

ORDER BY 5 DESC;



Q10. 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.

WITH popular\_genre AS

(

SELECT COUNT(invoice\_line.quantity) AS purchases, customer.country, genre.name, genre.genre\_id,

ROW\_NUMBER() OVER(PARTITION BY customer.country ORDER BY COUNT(invoice\_line.quantity) DESC) AS RowNo

FROM invoice\_line

JOIN invoice ON invoice.invoice\_id = invoice\_line.invoice\_id

JOIN customer ON customer.customer\_id = invoice.customer\_id

JOIN track ON track.track\_id = invoice\_line.track\_id

JOIN genre ON genre.genre\_id = track.genre\_id

GROUP BY 2,3,4

ORDER BY 2 ASC, 1 DESC

)

SELECT \* FROM popular\_genre WHERE RowNo <= 1

