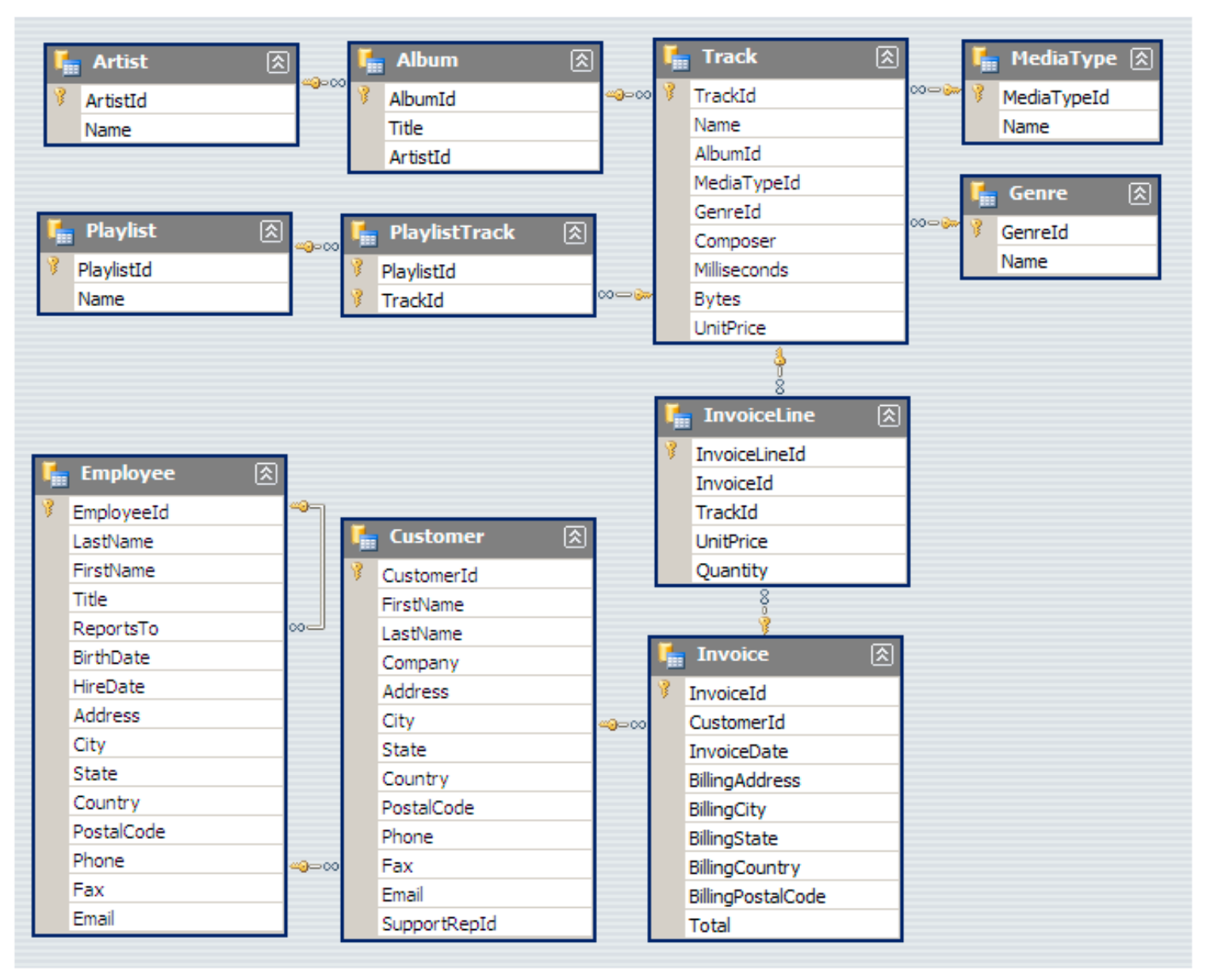
MUSIC STORE DATA ANALYSIS

SQL PROJECT (CASE STUDY)

BY:- AMIT PAWAR

SCHEMA DIGRAM



Question Set 1 – Easy

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

No limit

Query | Query History

```
13
14  select * from employee
15  order by levels desc
16  limit 1
17
18
19
```

OUTPUT

Data Output | Messages | Notifications

	employee_id [PK] character varying (50)	last_name character	first_name character	title character varying (50)	reports_to character varying (30)	levels character varying
1	9	Madan	Mohan	Senior General Manager	[null]	L7

Question Set 1 – Easy

2)Which countries have the most Invoices?

No limit

Query | Query History

```
#2)
select count(billing_country), billing_country from invoice
group by billing_country
order by billing_country desc
limit 5
```

OUTPUT

Data Output | Messages | Notifications

	count bigint	billing_country character varying (30)
1	131	USA
2	28	United Kingdom
3	10	Sweden
4	11	Spain
5	29	Portugal

Question Set 1 – Easy

3)What are top 3 values of total invoice?

No limit

Query | Query History

```
23
24  #3)
25  select total from invoice
26  order by total desc
27  limit 3
28
29
```

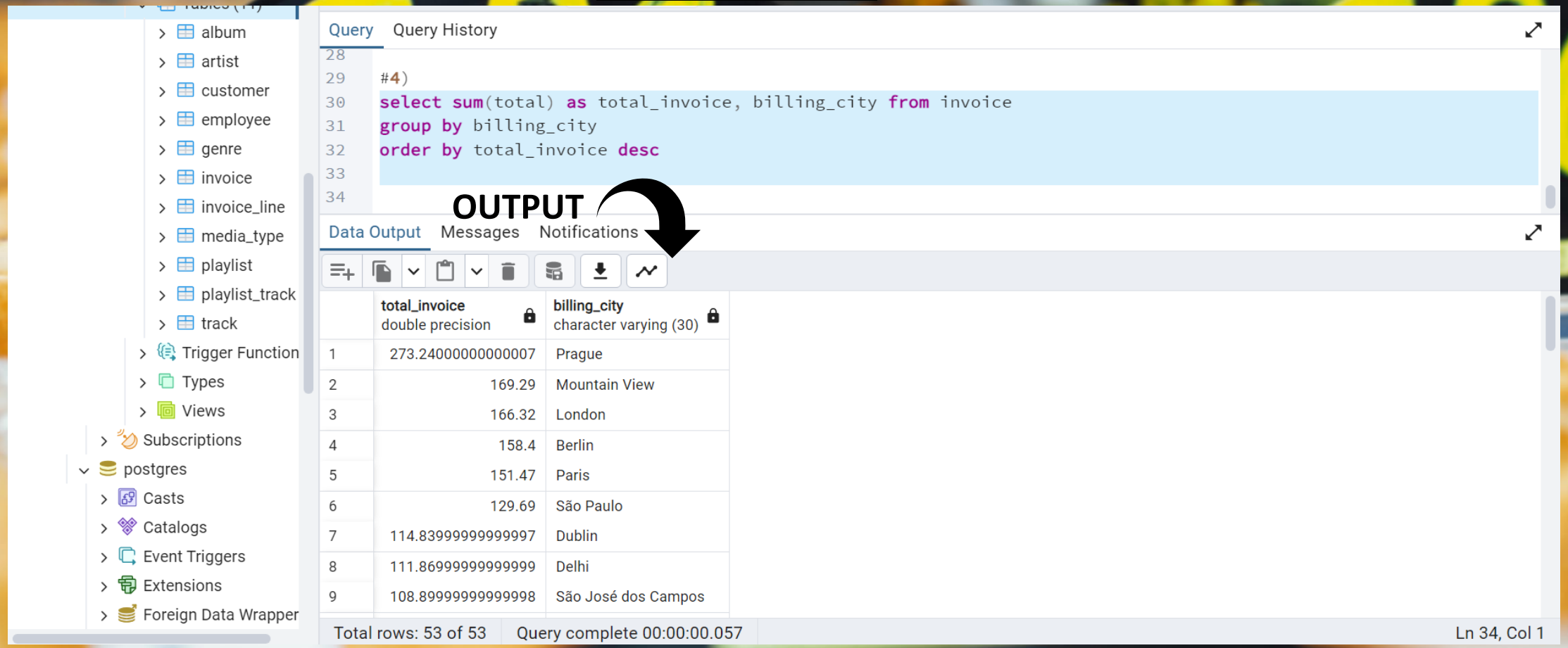
OUTPUT

Data Output | Messages | Notifications

	total double precision
1	23.759999999999998
2	19.8
3	19.8

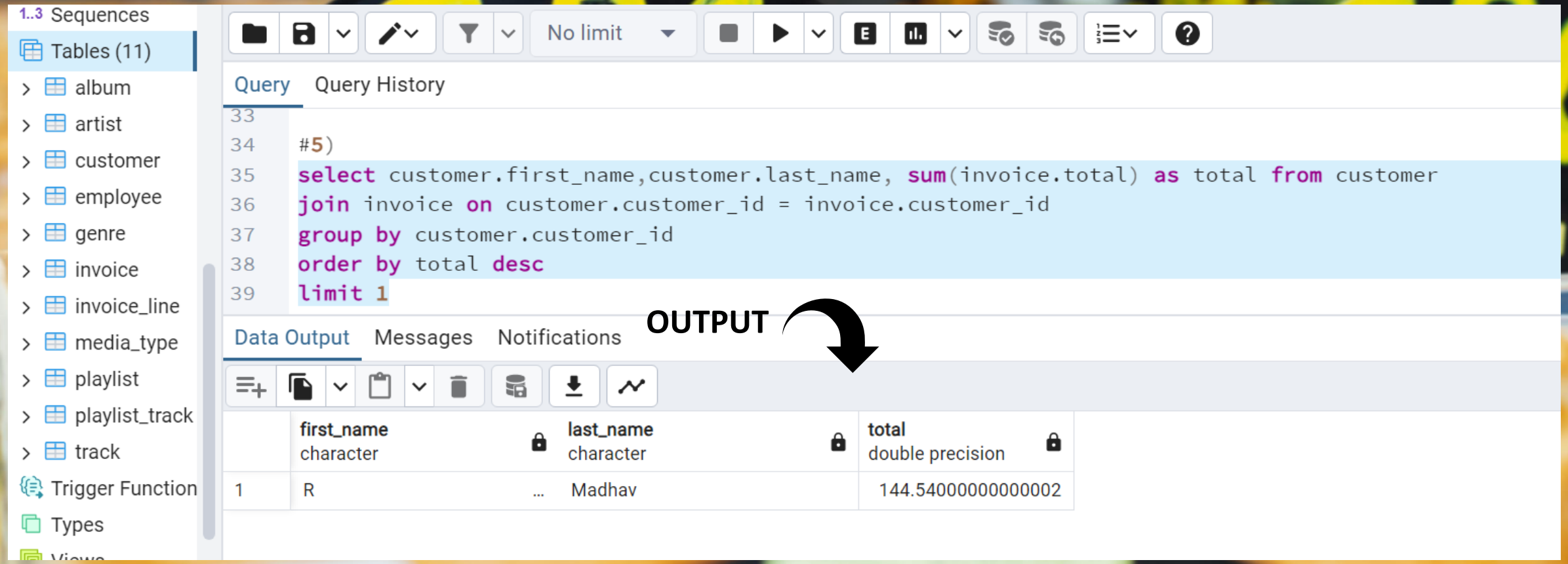
Question Set 1 – Easy

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



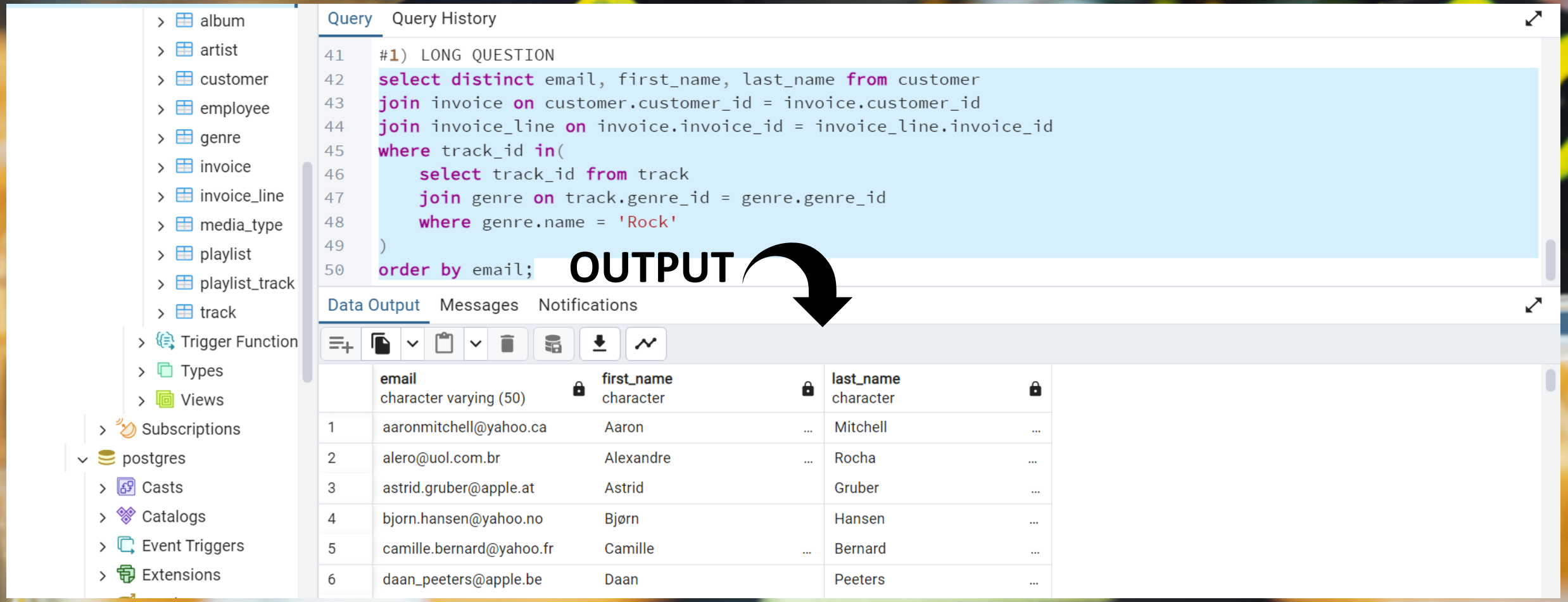
Question Set 1 – Easy

1. 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



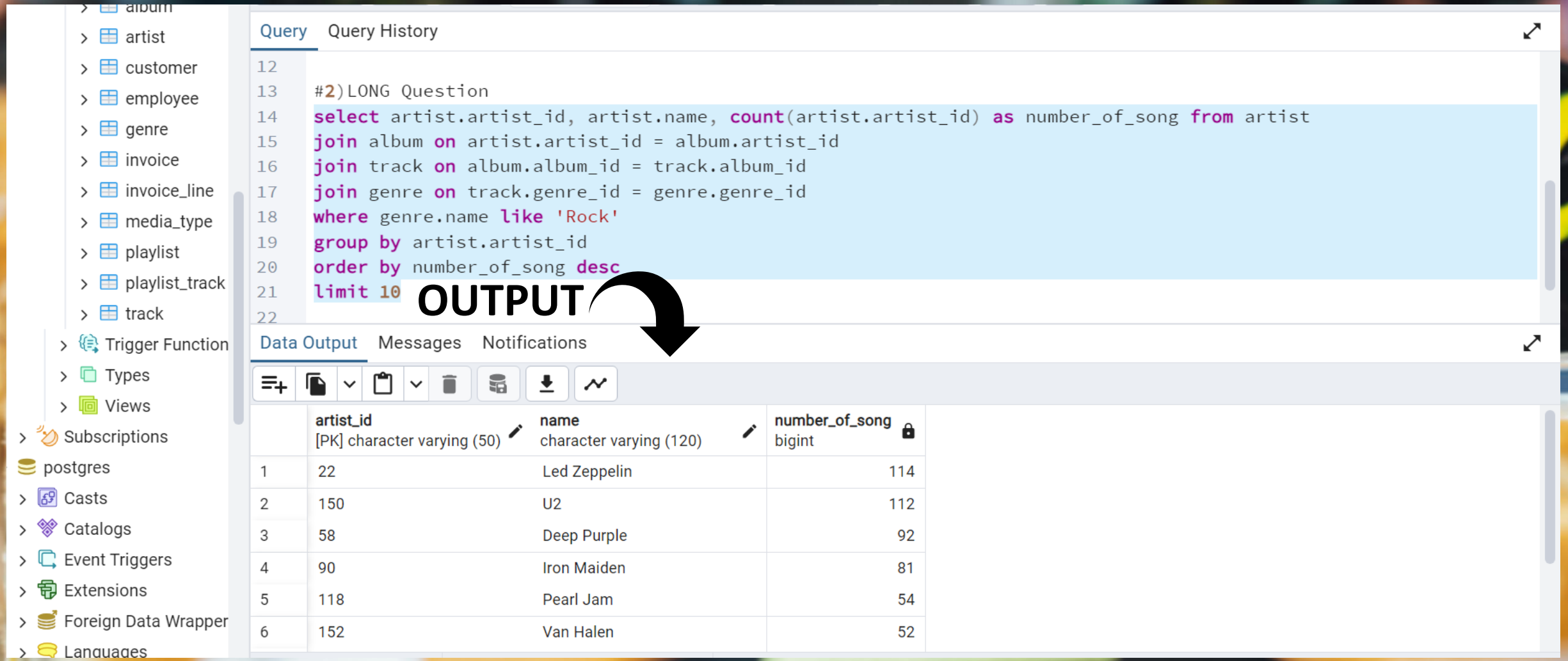
Question Set 2 – Moderate

1)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



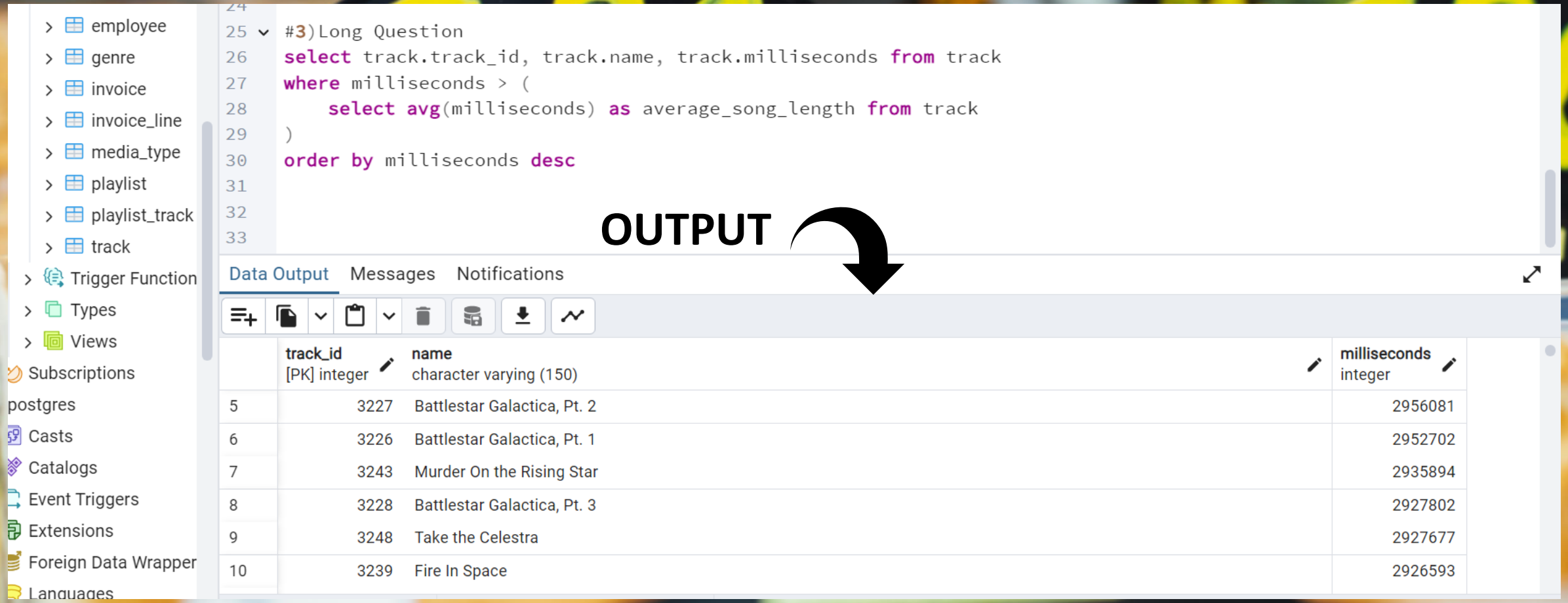
Question Set 2 – Moderate

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



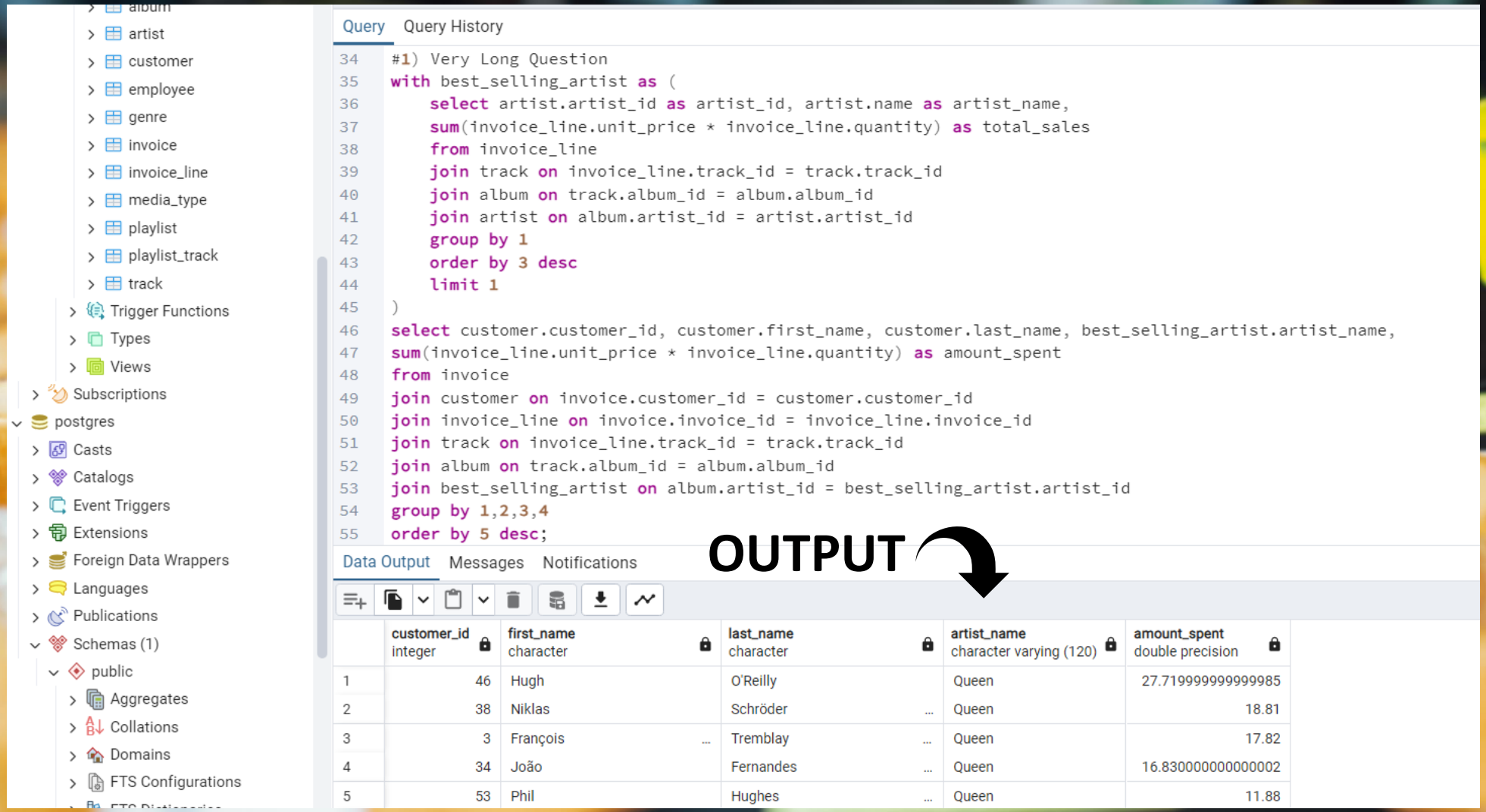
Question Set 2 – Moderate

1. 3)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



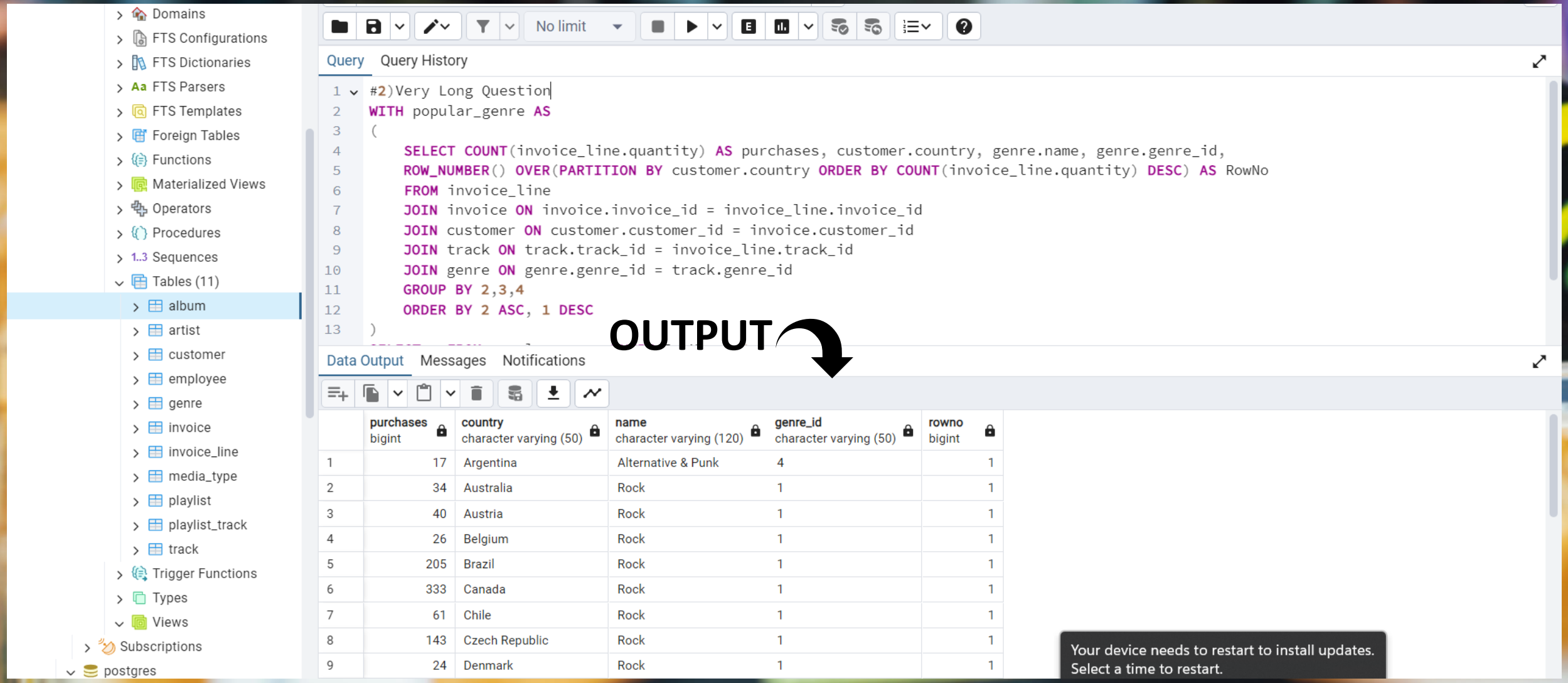
Question Set 3 – Advance

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



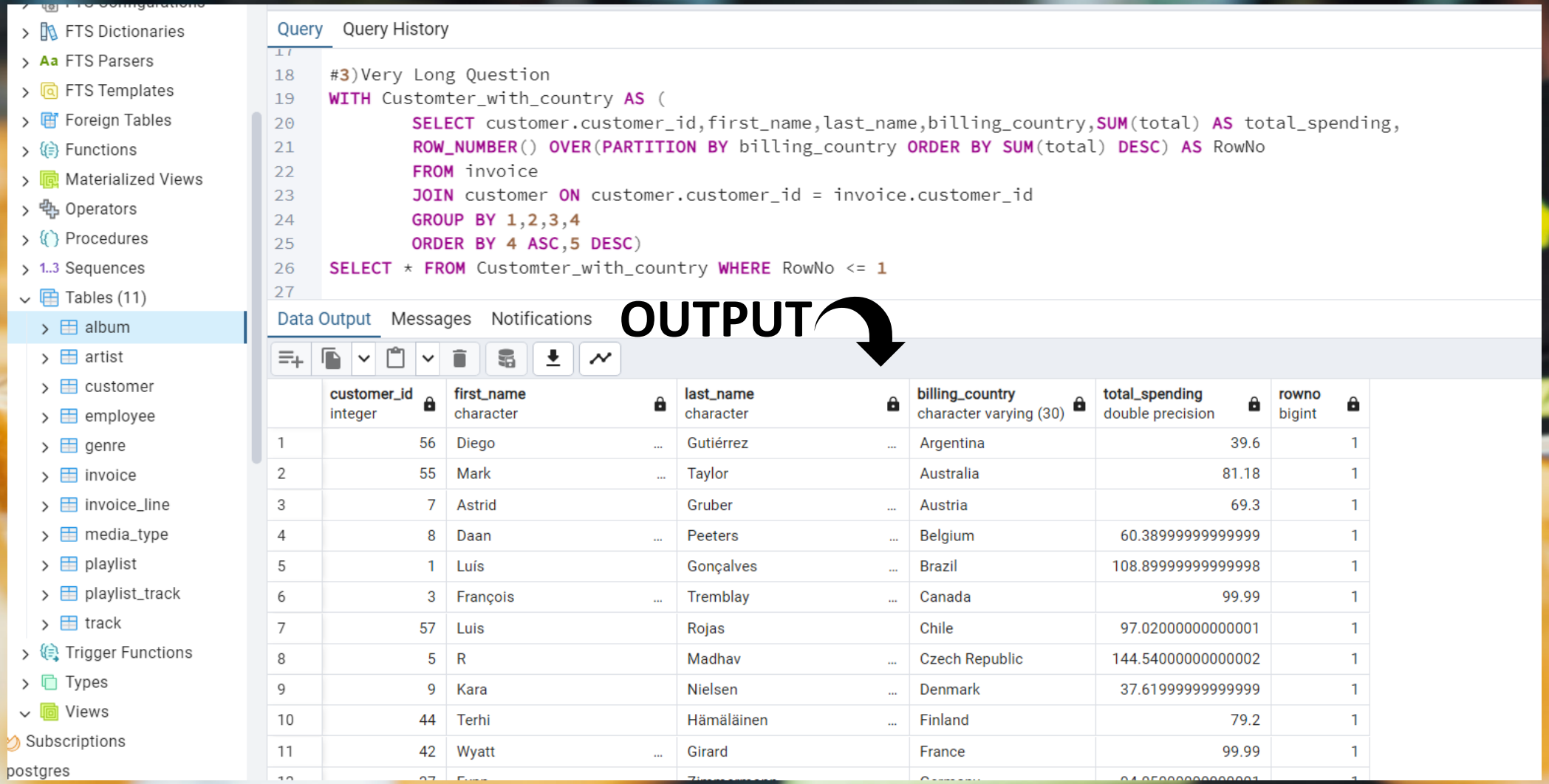
Question Set 3 – Advance

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

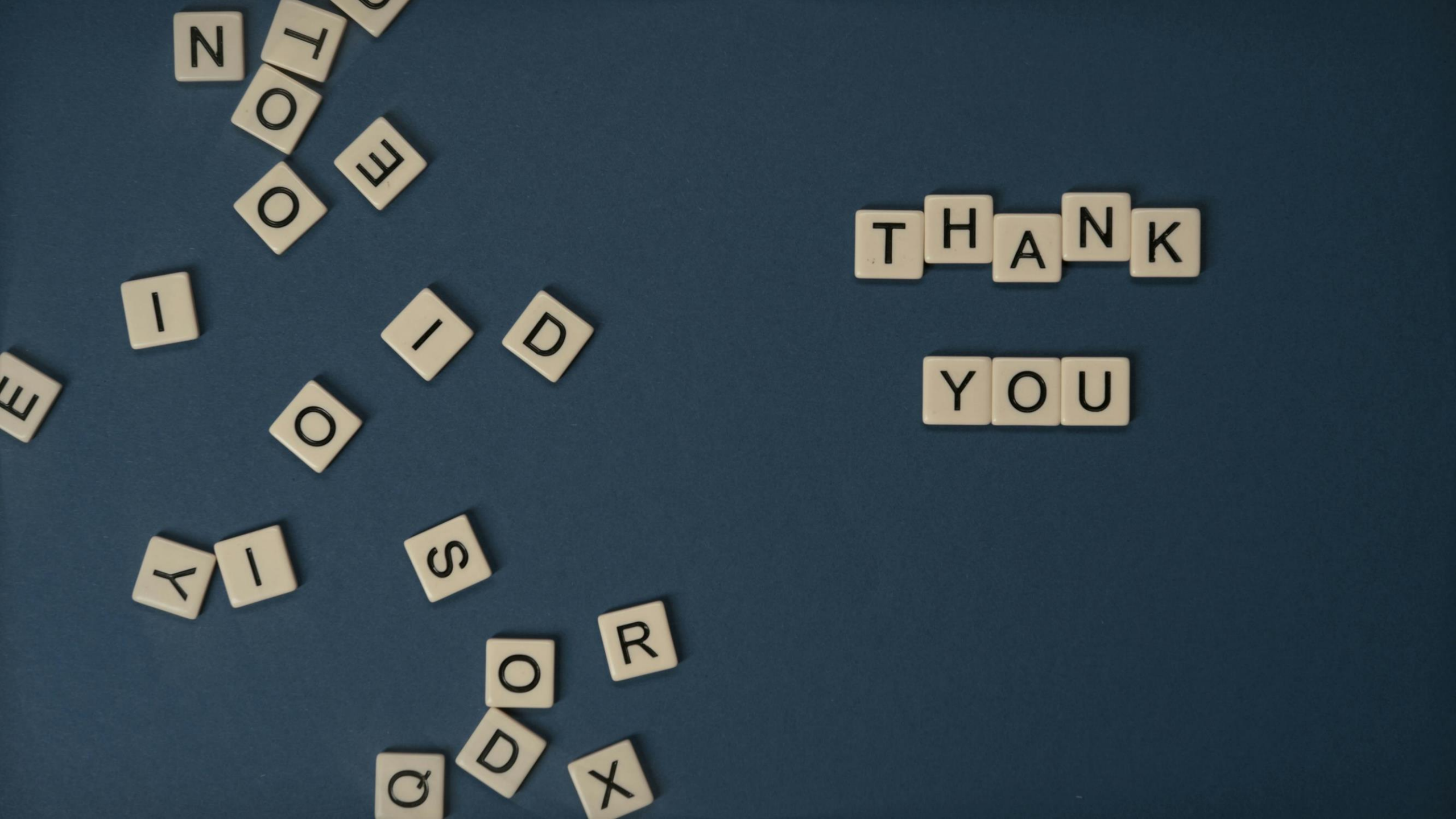


Question Set 3 – Advance

3)Write a query that determines the customer that has spent the most on music for eachcountry. 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



	customer_id integer	first_name character	last_name character	billing_country character varying (30)	total_spending double precision	rowno bigint
1	56	Diego	Gutiérrez	Argentina	39.6	1
2	55	Mark	Taylor	Australia	81.18	1
3	7	Astrid	Gruber	Austria	69.3	1
4	8	Daan	Peeters	Belgium	60.38999999999999	1
5	1	Luís	Gonçalves	Brazil	108.89999999999998	1
6	3	François	Tremblay	Canada	99.99	1
7	57	Luis	Rojas	Chile	97.02000000000001	1
8	5	R	Madhav	Czech Republic	144.54000000000002	1
9	9	Kara	Nielsen	Denmark	37.61999999999999	1
10	44	Terhi	Hämäläinen	Finland	79.2	1
11	42	Wyatt	Girard	France	99.99	1


THANK
YOU