MUSIC STORE ANALYSIS

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

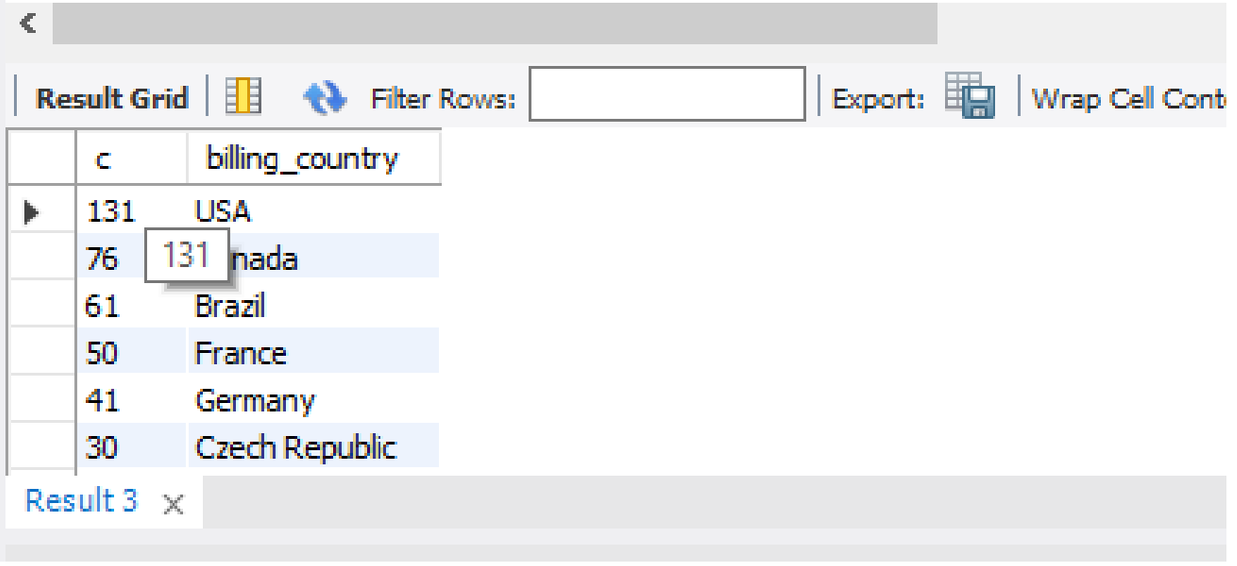
```sql
SELECT title, last_name, first_name
FROM employee
ORDER BY levels DESC
LIMIT 1;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content: | Fetch rows:

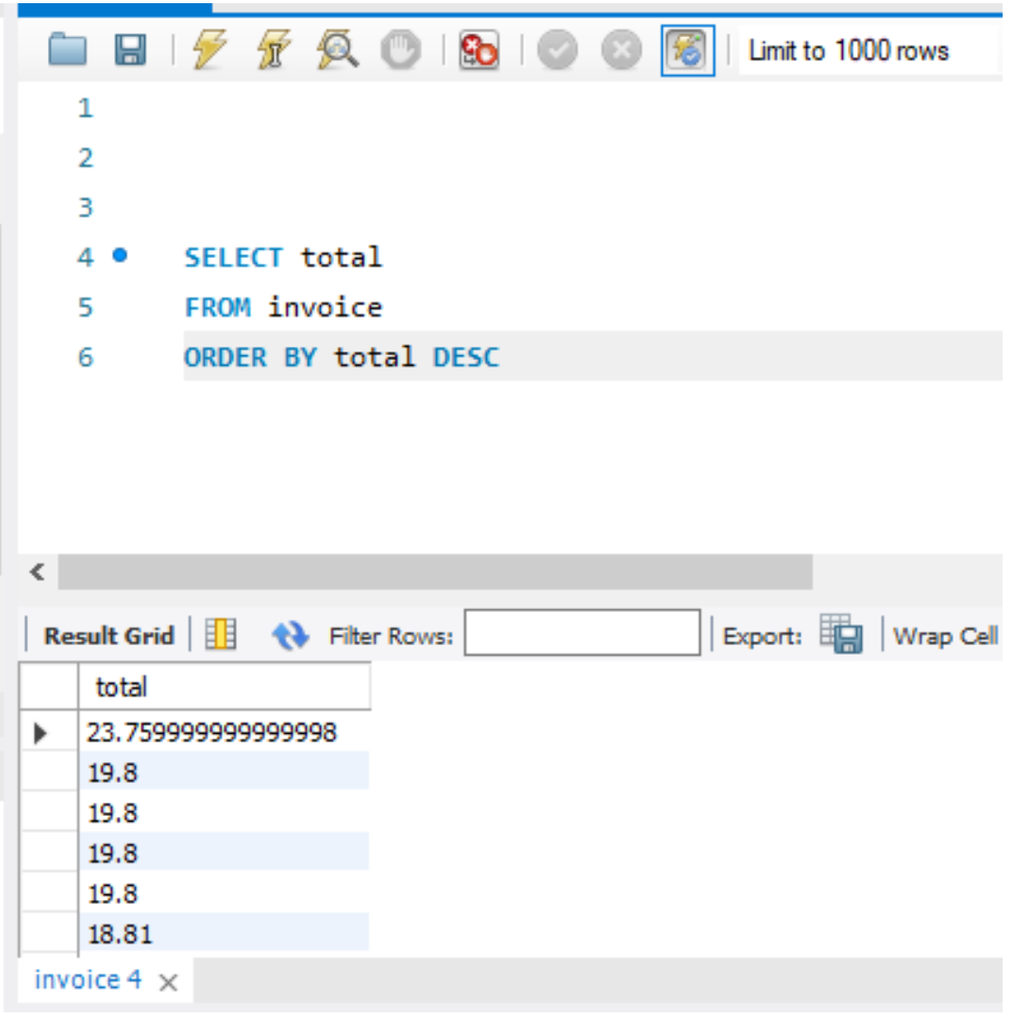
title	last_name	first_name
General Manager	Adams	Andrew

Q2.Which countries have the most Invoices?

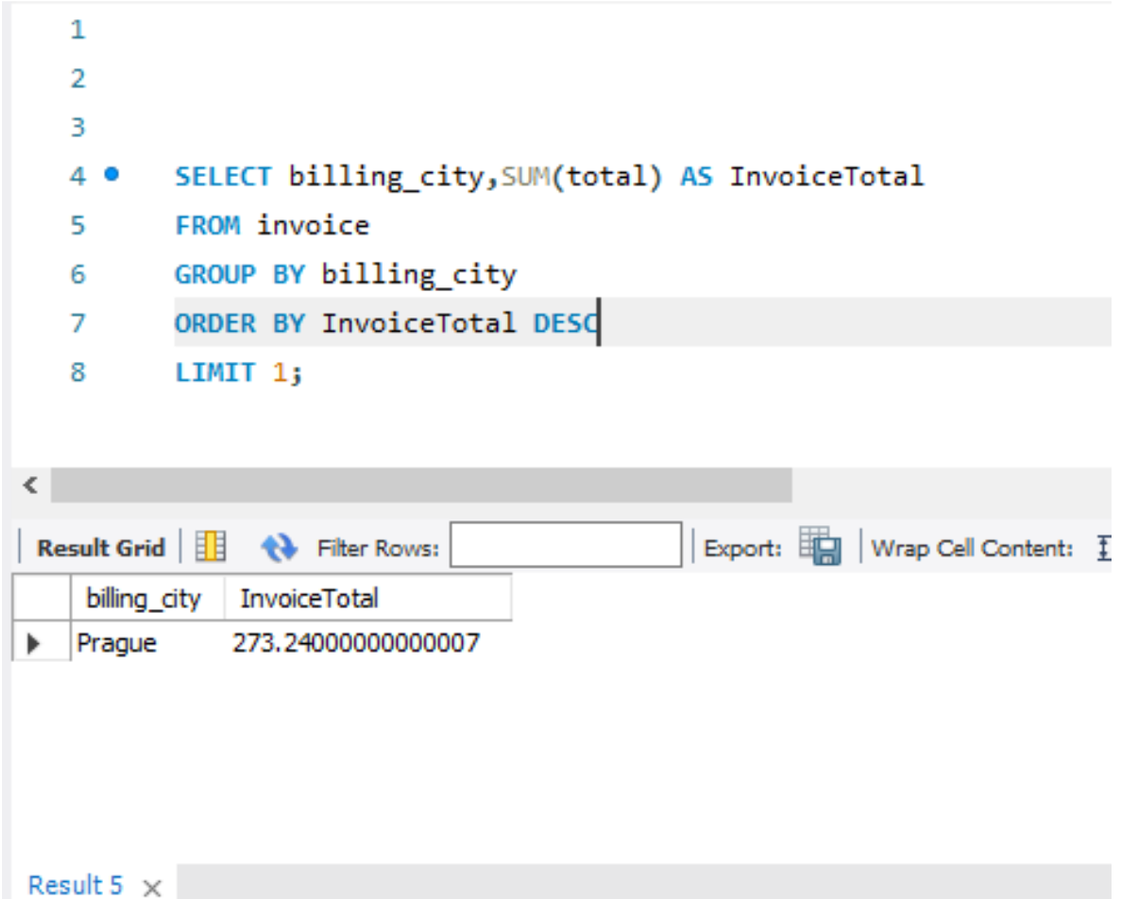
```
3
4 •   SELECT COUNT(*) AS c, billing_country
5     FROM invoice
6     GROUP BY billing_country
7     ORDER BY c DESC;
```



Q3.What are top 3 values of total invoice?

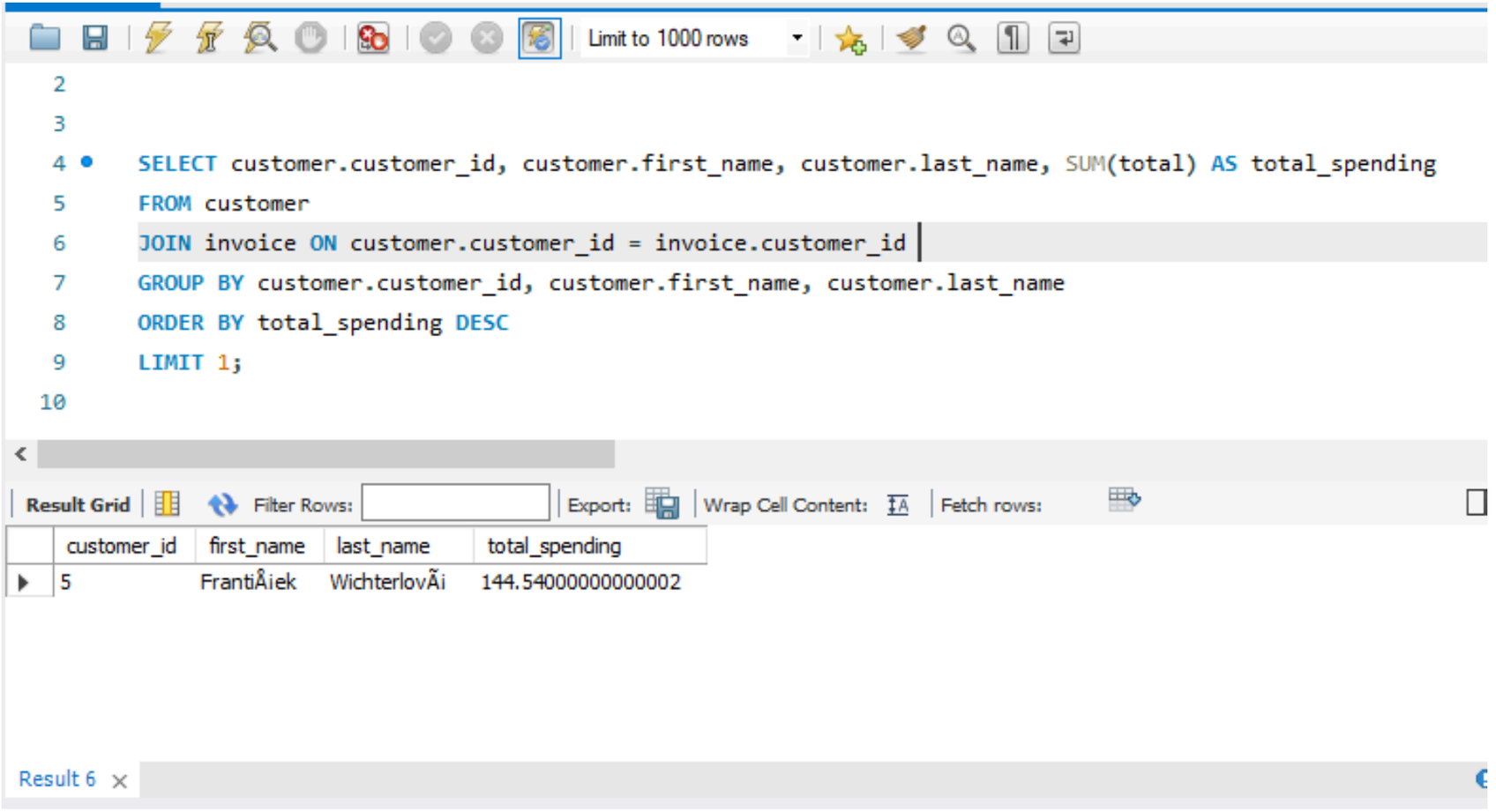


Q4: Which city has the best customers? We would like to throw a promotional Music Festival in the city we made the most money.
Write a query that returns one city that has the highest sum of invoice totals.
Return both the city name & sum of all invoice totals

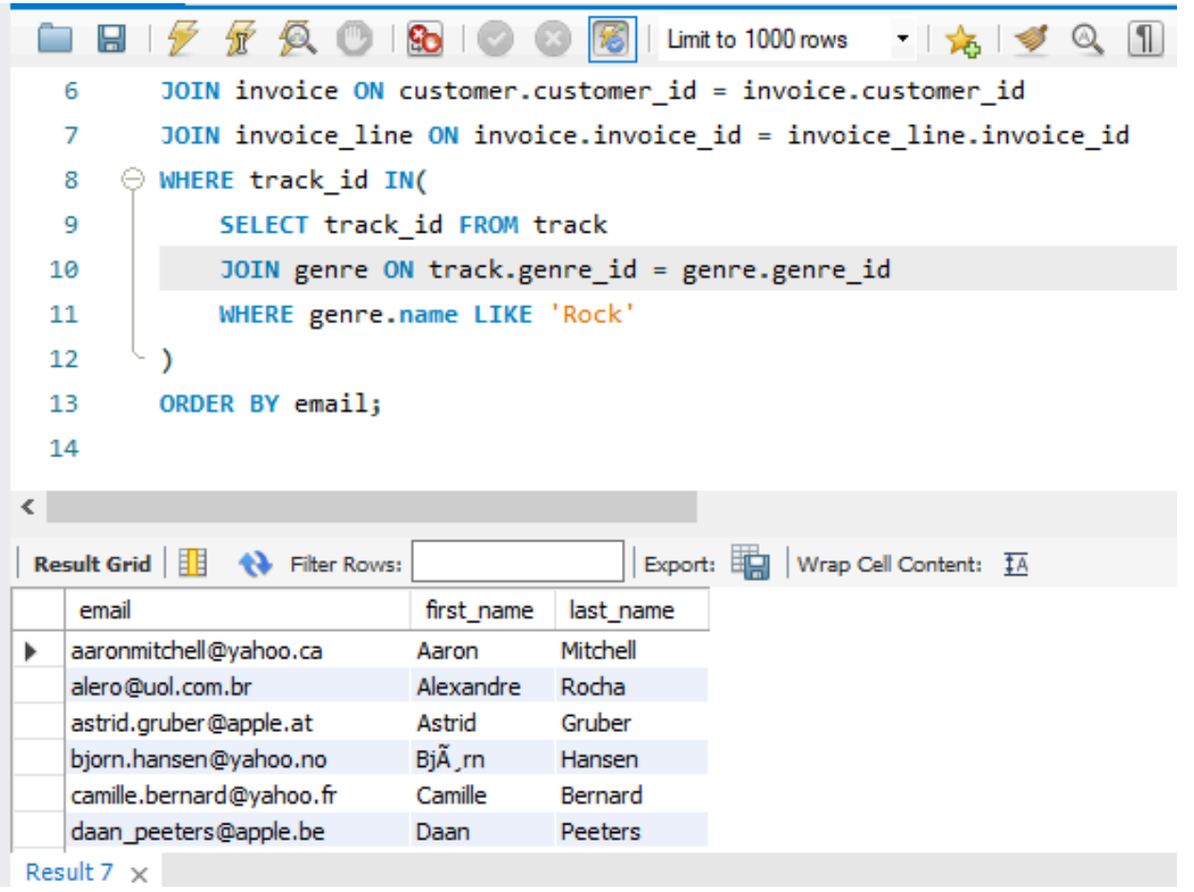


Q5: Who is the best customer? The customer who has spent the most money will be declared the best customer.

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



```
Limit to 1000 rows

6   JOIN invoice ON customer.customer_id = invoice.customer_id
7   JOIN invoice_line ON invoice.invoice_id = invoice_line.invoice_id
8   WHERE track_id IN(
9       SELECT track_id FROM track
10      JOIN genre ON track.genre_id = genre.genre_id
11      WHERE genre.name LIKE 'Rock'
12  )
13  ORDER BY email;
14
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

email	first_name	last_name
aaronmitchell@yahoo.ca	Aaron	Mitchell
alero@uol.com.br	Alexandre	Rocha
astrid.gruber@apple.at	Astrid	Gruber
bjorn.hansen@yahoo.no	BjÃ¸rn	Hansen
camille.bernard@yahoo.fr	Camille	Bernard
daan_peeters@apple.be	Daan	Peeters

Result 7

Q7: 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

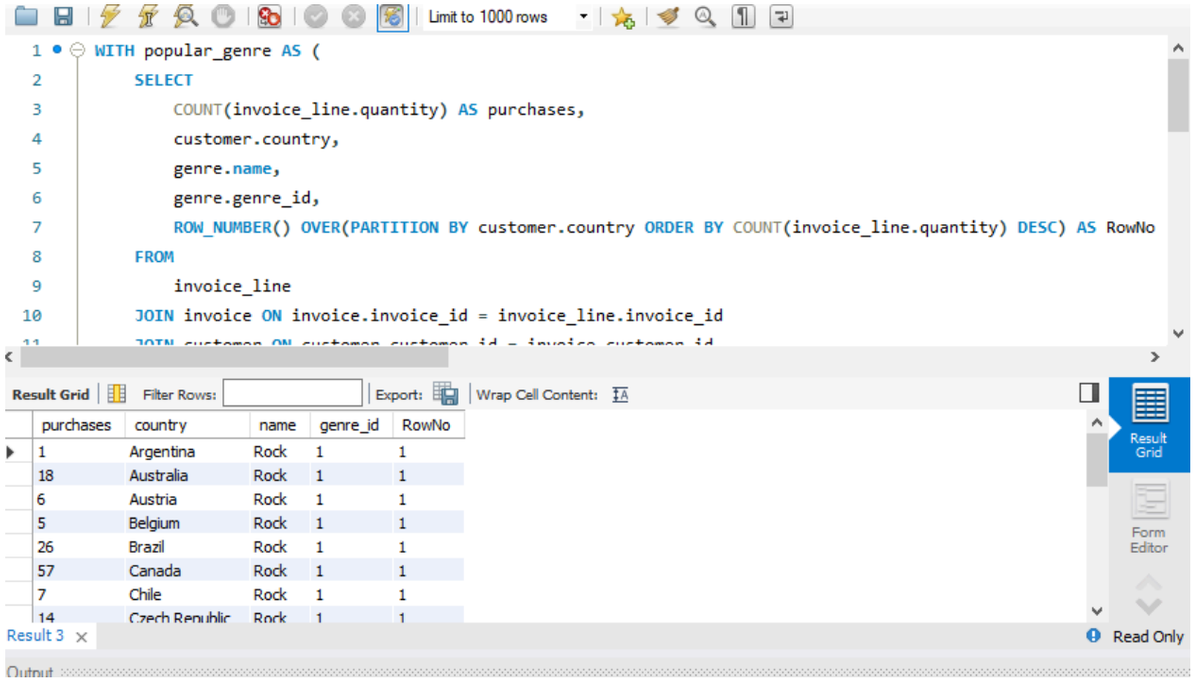
```
SELECT * FROM new_schema.track;

SELECT name,milliseconds
FROM track
WHERE miliseconds > (
    SELECT AVG(miliseconds) AS avg_track_length
    FROM track )
ORDER BY milliseconds DESC;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

track_id	name	album_id	media_type_id	genre_id	composer	mill
1	For Those About To Rock (We Salute You)	1	1	1	Angus Young, Malcolm Young, Brian Johnson	343
2	Balls to the Wall	2	2	1		342
3	Fast As a Shark	3	2	1	F. Baltes, S. Kaufman, U. Dirkscneider & W. Hof...	230
4	Restless and Wild	3	2	1	F. Baltes, R.A. Smith-Diesel, S. Kaufman, U. Dir...	252
5	Princess of the Dawn	3	2	1	Deaffy & R.A. Smith-Diesel	375
6	Put The Finger On You	1	1	1	Angus Young, Malcolm Young, Brian Johnson	205
7	Let's Get It Up	1	1	1	Angus Young, Malcolm Young, Brian Johnson	233
8	Inject The Venom	1	1	1	Angus Young, Malcolm Young, Brian Johnson	210
9	Snowballed	1	1	1	Angus Young, Malcolm Young, Brian Johnson	203

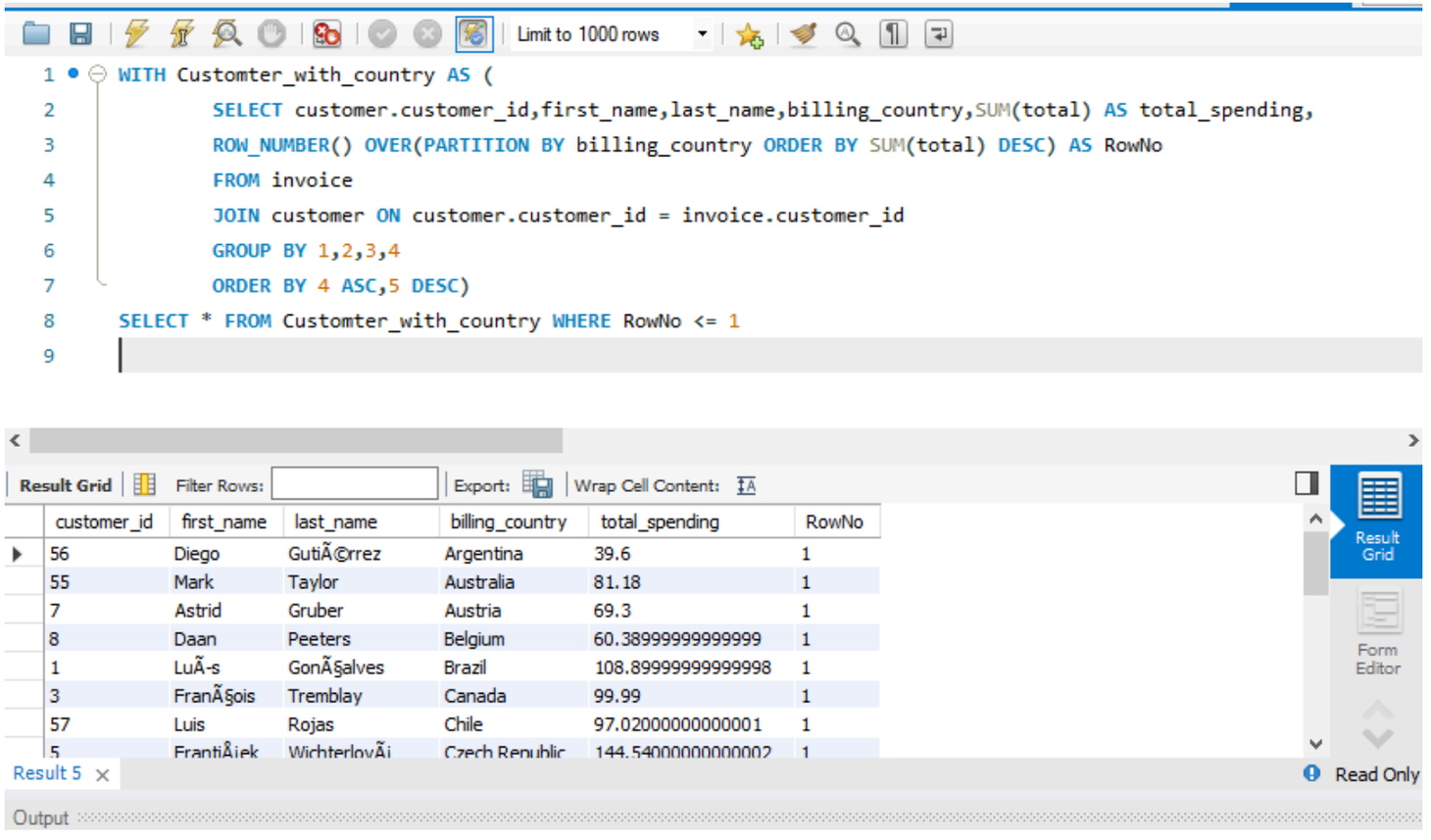
Q8: We want to find out the most popular music Genre for each country. We determine the most popular genre as the genre
with the highest amount of purchases. Write a query that returns each country along with the top Genre. For countries where
the maximum number of purchases is shared return all Genres.

Steps to Solve: There are two parts in question- first most popular music genre and second need data at country level.



Q9: 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.

Steps to Solve: Similar to the above question. There are two parts in question- first find the most spent on music for each country and second filter the data for respective customers



```
1  WITH Customter_with_country AS (
2          SELECT customer.customer_id,first_name,last_name,billing_country,SUM(total) AS total_spending,
3          ROW_NUMBER() OVER(PARTITION BY billing_country ORDER BY SUM(total) DESC) AS RowNo
4          FROM invoice
5          JOIN customer ON customer.customer_id = invoice.customer_id
6          GROUP BY 1,2,3,4
7          ORDER BY 4 ASC,5 DESC)
8  SELECT * FROM Customter_with_country WHERE RowNo <= 1
9
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

customer_id	first_name	last_name	billing_country	total_spending	RowNo
56	Diego	GutiÃ©rrez	Argentina	39.6	1
55	Mark	Taylor	Australia	81.18	1
7	Astrid	Gruber	Austria	69.3	1
8	Daan	Peeters	Belgium	60.38999999999999	1
1	LuÃ-s	GonÃ§alves	Brazil	108.89999999999998	1
3	FranÃ§ois	Tremblay	Canada	99.99	1
57	Luis	Rojas	Chile	97.02000000000001	1
5	FrantiÅ¡ek	WichterlovÃ¡	Czech Republic	144.54000000000002	1

Result Grid | Form Editor | Result 5 | Read Only | Output