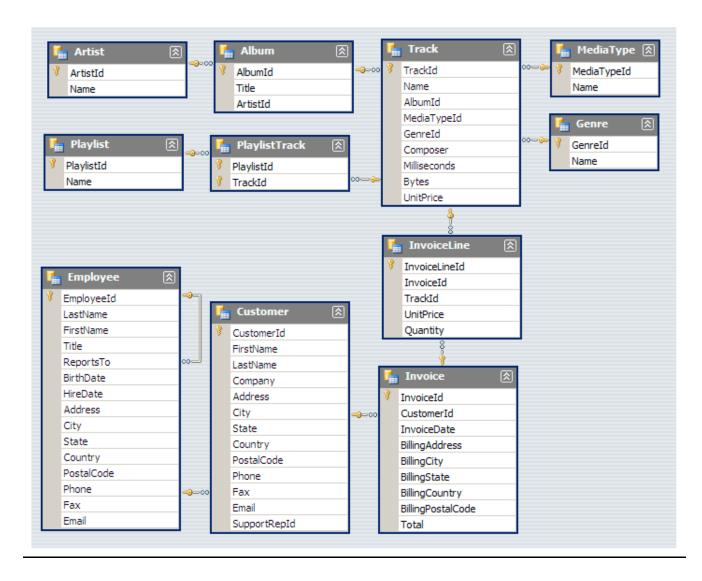
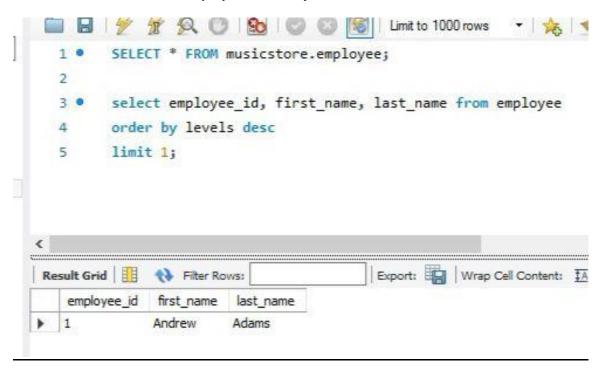
SQL MUSIC STORE ANALYSIS

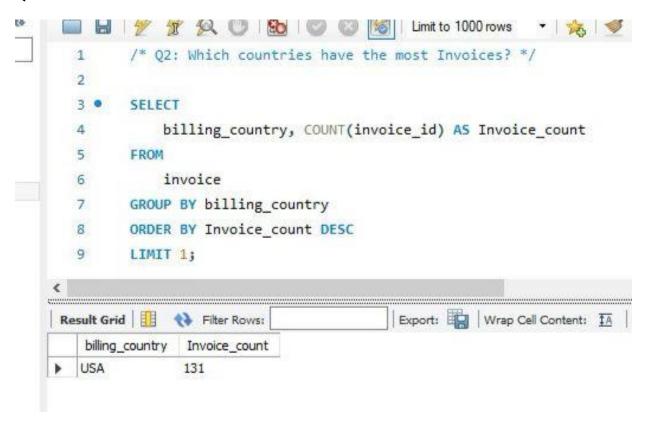
PROJECT SCHEMA



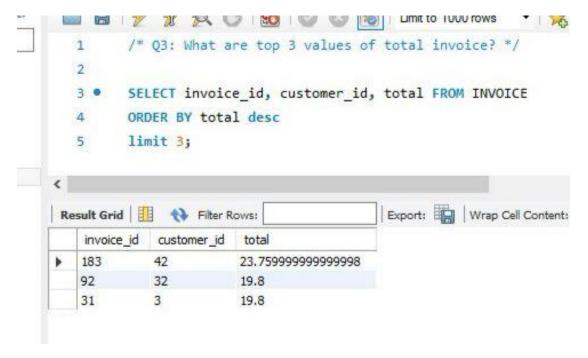
Q1: Who is the senior most employee based on job title?



Q2: Which countries have the most Invoices?



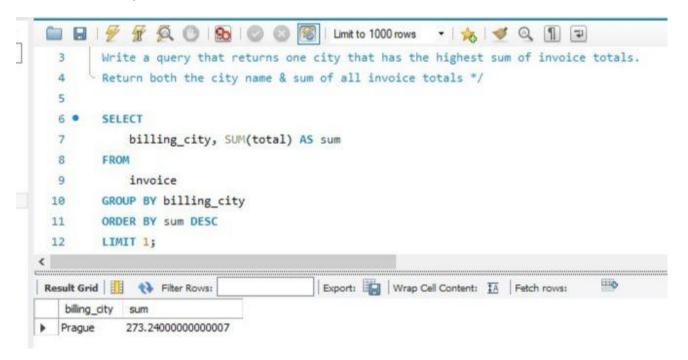
Q3: What are top 3 values of total invoice?



Q4: Which city has the best customers? We would like to throw a promotional Music Festival in the city we made the most money.

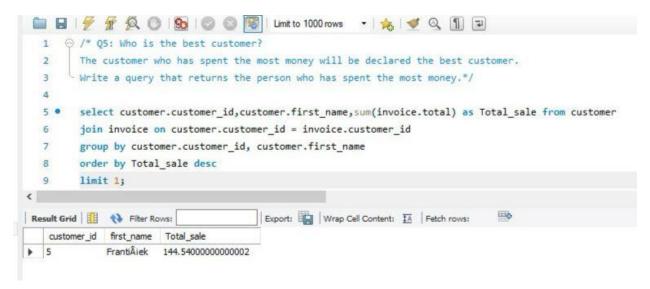
Write a query that returns one city that has the highest sum of invoice totals.

Return both the city name & sum of all invoice totals



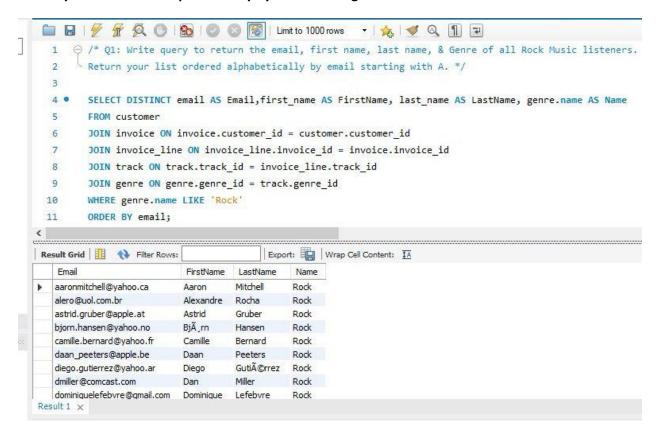
Q5: Who is the best customer? The customer who has spent the most money will be declared the best customer.

Write a query that returns the person who has spent the most money.



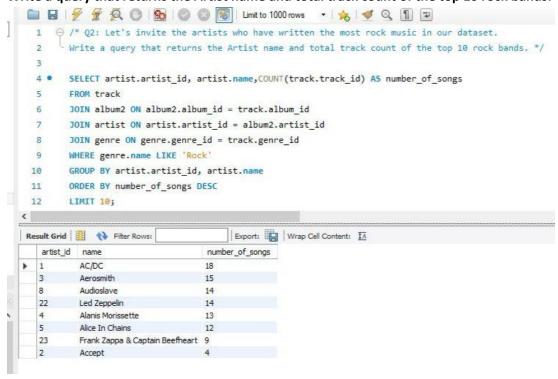
Q6: Write query to return the email, first name, last name, & Genre of all Rock Music listeners.

Return your list ordered alphabetically by email starting with A.

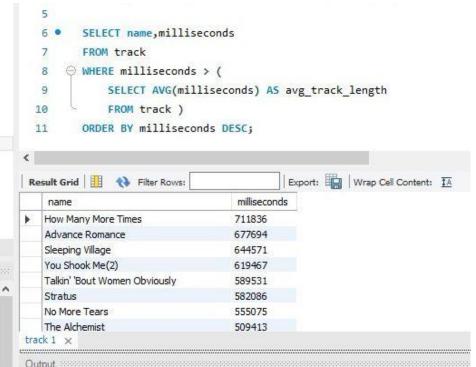


Q7: Let's invite the artists who have written the most rock music in our dataset.

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



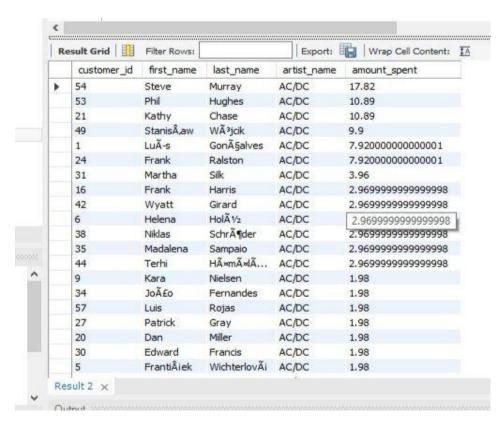
Q8: Return all the track names that have a song length longer than the average song length. Return the Name and Milliseconds for each track. Order by the song length with the longest songs listed first.



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

```
2
    Write a query to return customer name, artist name and total spend */
3
 4
 5 • ⊖ WITH best_selling artist AS (
          SELECT artist_artist_id AS artist_id, artist.name AS artist_name,
 6
 7
          SUM(invoice_line.unit_price*invoice_line.quantity) AS total_sales
 8
          FROM invoice_line
          JOIN track ON track.track_id = invoice_line.track_id
 9
          JOIN album2 ON album2.album_id = track.album_id
10
          JOIN artist ON artist.artist_id = album2.artist_id
11
12
          GROUP BY 1,2
          ORDER BY 3 DESC
13
          LIMIT 1
14
15
16
       SELECT c.customer_id, c.first_name, c.last_name, bsa.artist_name, SUM(il.unit_price*il.quantity) AS amount_spent
17
       JOIN customer c ON c.customer_id = i.customer_id
18
       JOIN invoice_line il ON il.invoice_id = i.invoice_id
19
       JOIN track t ON t.track_id = il.track_id
20
       JOIN album2 alb ON alb.album id = t.album id
21
       JOIN best selling artist bsa ON bsa.artist id = alb.artist id
22
      GROUP BY 1,2,3,4
23
       ORDER BY 5 DESC;
24
```

OUTPUT:



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.

```
7 • WITH popular_genre AS
8
   ⊖ (
9
          SELECT COUNT(invoice_line.quantity) AS purchases, customer.country, genre.name, genre_genre_id,
10
         ROW_NUMBER() OVER(PARTITION BY customer.country
          ORDER BY COUNT(invoice_line.quantity) DESC) AS RowNo
11
12
          FROM invoice_line
          JOIN invoice ON invoice.invoice_id = invoice_line.invoice_id
13
14
          JOIN customer ON customer.customer_id = invoice.customer_id
          JOIN track ON track.track_id = invoice_line.track_id
15
          JOIN genre ON genre.genre_id = track.genre_id
16
17
          GROUP BY 2,3,4
18
          ORDER BY 2 ASC, 1 DESC
19
    SELECT * FROM popular_genre WHERE RowNo <= 1;
20
```

OUTPUT:

Re	sult Grid	Filter Rows:		E	cport:	Wrap Cell Content:	Ī
	purchases	country	name	genre_id	RowNo		
•	1	Argentina	Rock	1	1		
	18	Australia	Rock	1	1		
	6	Austria	Rock	1	1		
	5	Belgium	Rock	1	1		
	26	Brazil	Rock	1	1		
	57	Canada	Rock	1	1		
	7	Chile	Rock	1	1		
	14	Czech Republic	Rock	1	1		
	6	Denmark	Rock	1	1		
	6	Finland	Rock	1	1		
	26	France	Rock	1	1		
	28	Germany	Rock	1	1		
	4	Hungary	Rock	1	1		
	13	India	Rock	1	1		
	2	Ireland	Rock	1	1		
	3	Italy	Rock	1	1		
	6	Netherlands	Rock	1	1		

Q11: 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

OUTPUT:

R	esult Grid	Filter Rows:		Export: Wrap Cell Content: IA			
	customer_id	first_name	last_name	billing_country	total_spending	RowNo	
•	56	Diego	Gutiérrez	Argentina	39.6	1	
	55	Mark	Taylor	Australia	81.18	1	
	7	Astrid	Gruber	Austria	69.3	1	
	8	Daan	Peeters	Belgium	60.3899999999999	1	
	1	LuÃ-s	Gonçalves	Brazil	108.8999999999998	1	
	3	François	Tremblay	Canada	99.99	1	
	57	Luis	Rojas	Chile	97.02000000000001	1	
	5	FrantiÅiek	WichterlovÃi	Czech Republic	144.540000000000002	1	
	9	Kara	Nielsen	Denmark	37.61999999999999	1	
	44	Terhi	HÃ≍mÃ≒lÃ≍inen	Finland	79.2	1	
	42	Wyatt	Girard	France	99,99	1	
	37	Fynn	Zimmermann	Germany	94.05000000000001	1	
	45	Ladislav	KovÃics	Hungary	78.21	1	
	58	Manoj	Pareek	India	111.86999999999999	1	
	46	Hugh	O'Reilly	Ireland	114.83999999999997	1	
	47	Lucas	Mancini	Italy	50.49	1	
	48	Johannes	Van der Berg	Netherlands	65.34	1	
	4	Riã ro	Hancon	Monasy	72 27000000000001	1	