SQL PROJECT - MUSIC STORE DATA ANALYSIS

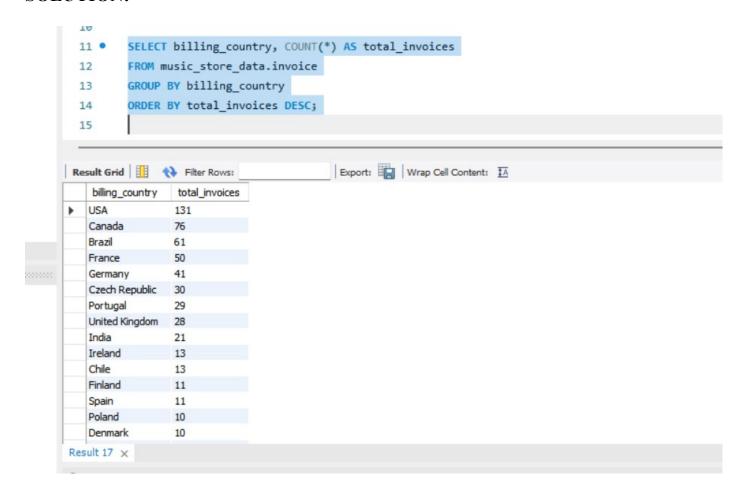
Question Set 1 - Easy

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

SOLUTION:

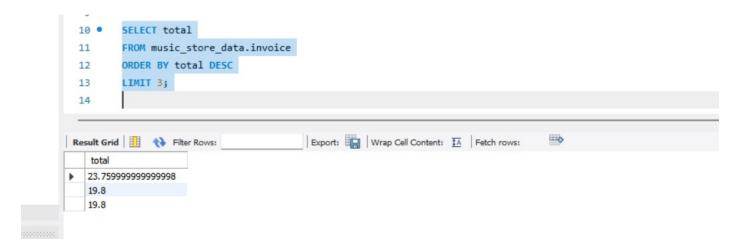
```
3 •
         SELECT first_name, last_name, title
         FROM music store data.employee
  4
         ORDER BY levels DESC
  5
         LIMIT 1;
                                                                                         -
                                           Export: Wrap Cell Content: TA Fetch rows:
Result Grid
             Filter Rows:
   first_name
             last_name
                        title
  Andrew
             Adams
                       General Manager
```

2. Which countries have the most Invoices?



3. What are top 3 values of total invoice?

SOLUTION:

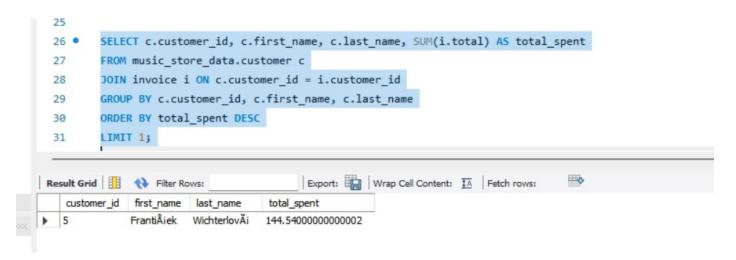


4. Which city has the best customers? (Highest total invoice amount)

SOLUTION:

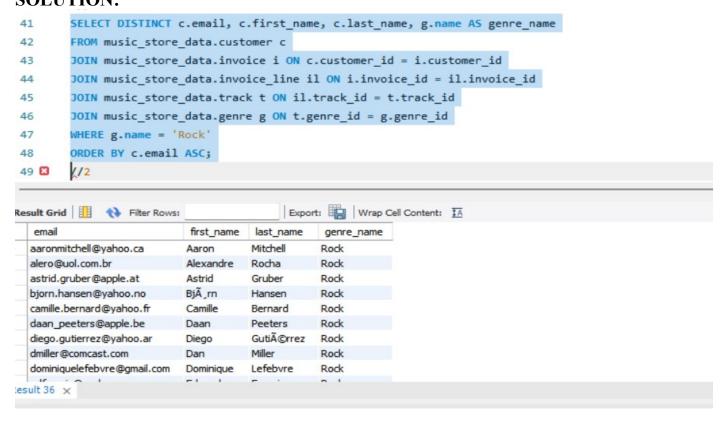


5. Who is the best customer? (Most money spent)

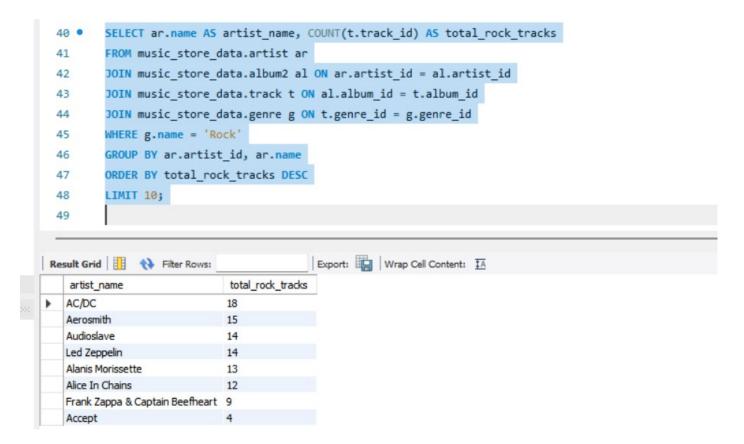


Question Set 2 - Moderate

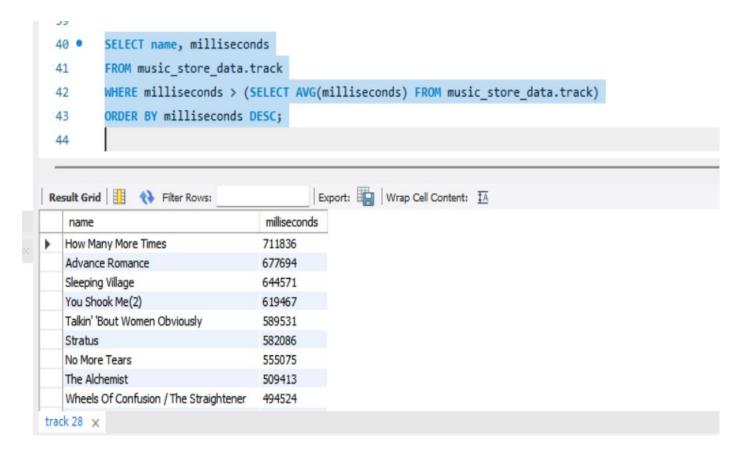
1. Write query to return the email, first name, last name, & Genre of all Rock Music listeners. Return your list ordered alphabetically by email starting with A. SOLUTION:



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. SOLUTION:

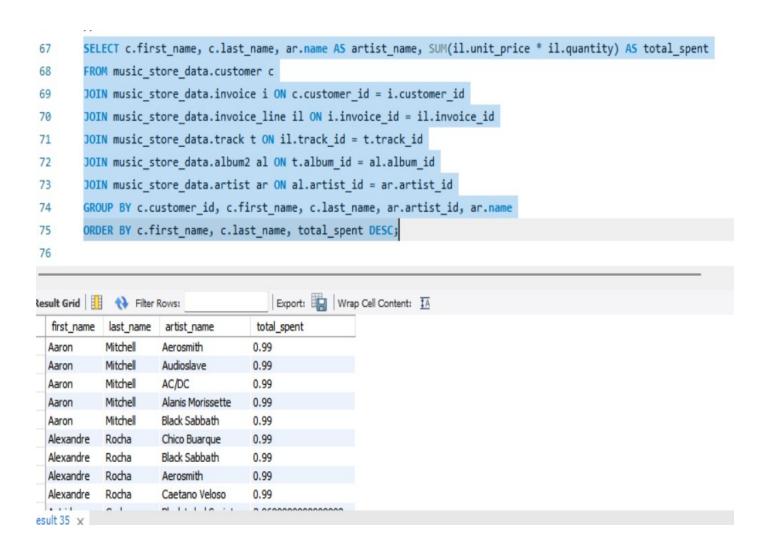


3. Return all the track names that have a song length longer than the average song length. Return the Name and Milliseconds for each track. Order by the song length with the longest songs listed first.



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.



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

```
→ WITH CustomerCountrySpending AS (
 78
              SELECT
                   c.customer id, c.first name, c.last name, i.billing country, SUM(i.total) AS total spent,
 79
                   RANK() OVER (PARTITION BY i.billing_country ORDER BY SUM(i.total) DESC) AS rank_num
 80
              FROM music store data.customer c
 81
              JOIN music store data.invoice i ON c.customer id = i.customer id
 82
              GROUP BY c.customer id, c.first name, c.last name, i.billing country
 83
 84
          SELECT billing country, first name, last name, total spent
 85
 86
          FROM CustomerCountrySpending
          WHERE rank num = 1
 87
          ORDER BY billing country, total spent DESC;
          1/3
 89 🚨
Result Grid | Filter Rows:
                                          Export: Wrap Cell Content: $\frac{1}{2}A
    billing_country
                  first_name
                             last_name
                                            total spent
                            GutiÃ@rrez
   Argentina
                 Diego
                                            39.6
   Australia
                 Mark
                            Taylor
                                            81.18
                            Gruber
                                            69.3
   Austria
                 Astrid
   Belgium
                 Daan
                            Peeters
                                            60.38999999999999
                 LuÃ-s
                            Gonà §alves
   Brazil
                                            108.8999999999998
                 François
                            Tremblay
   Canada
                                            99.99
   Chile
                                            97.02000000000001
                 Luis
                            Rojas
   Czech Republic FrantiÂiek
                            WichterlovÃi
                                            144.540000000000002
   Denmark
                 Kara
                            Nielsen
                                            37.61999999999999
                            ... 7 .7 .
Result 33 X
```

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

