

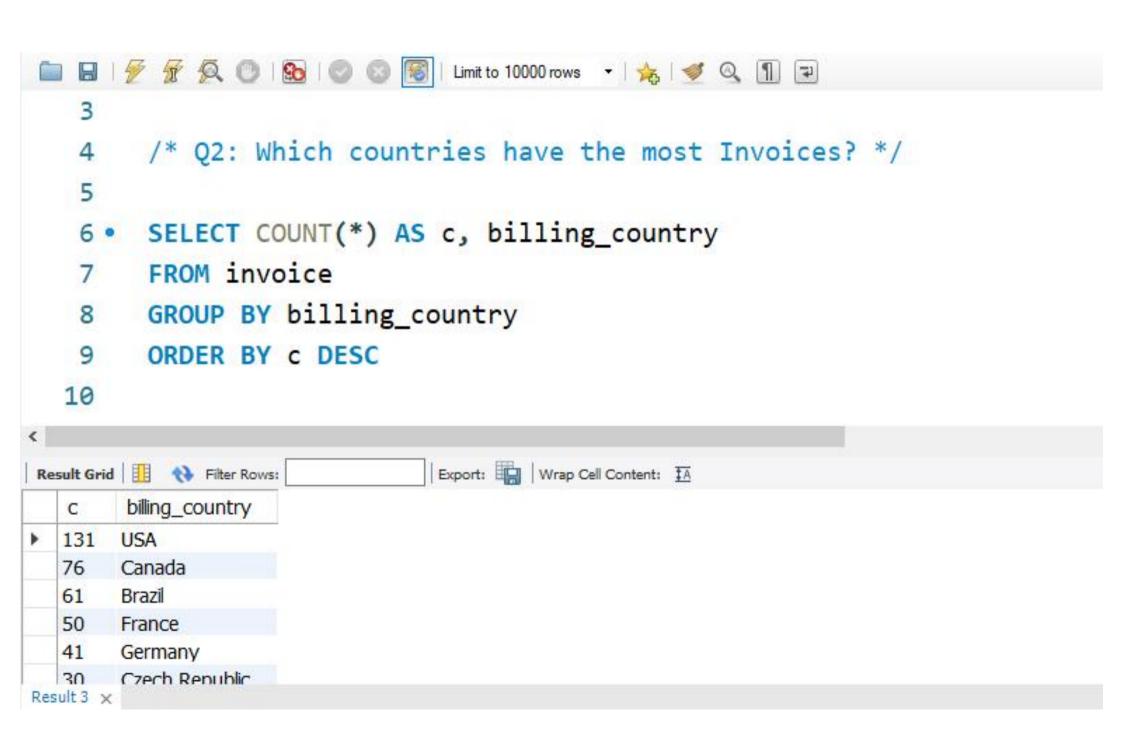
title

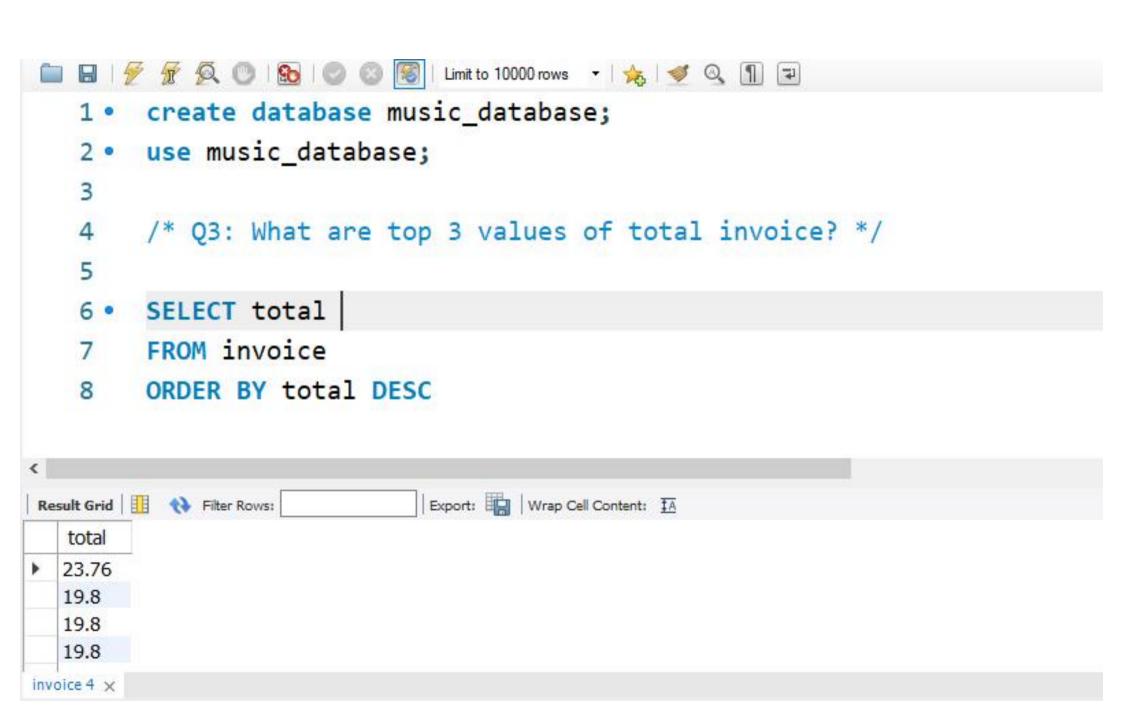
General Manager Adams

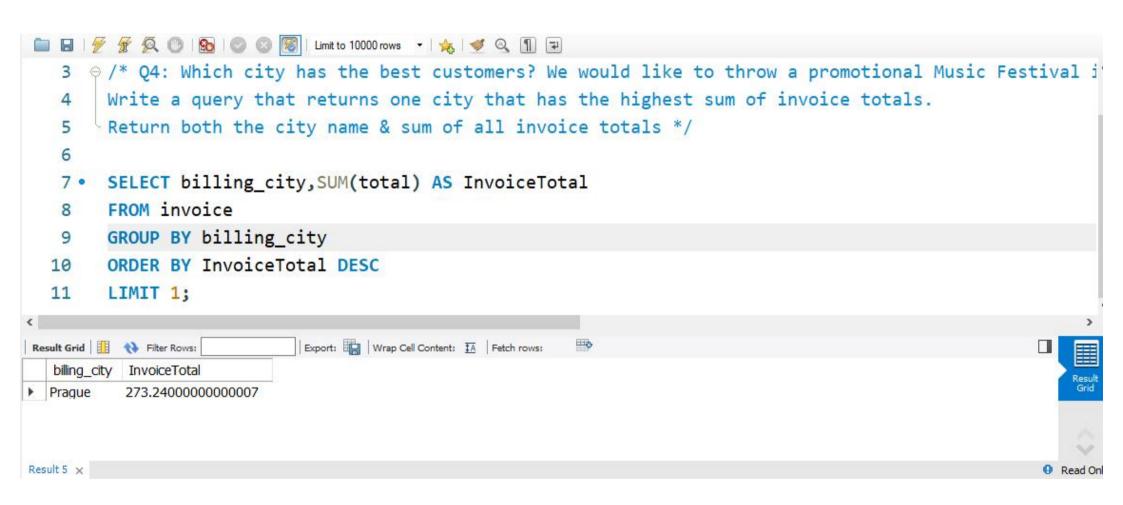
last name

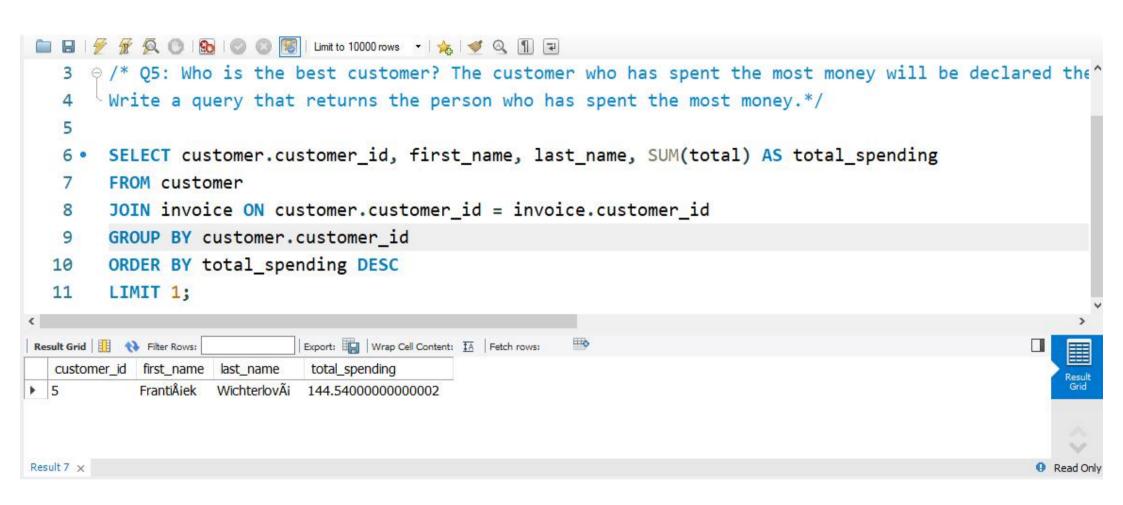
first name

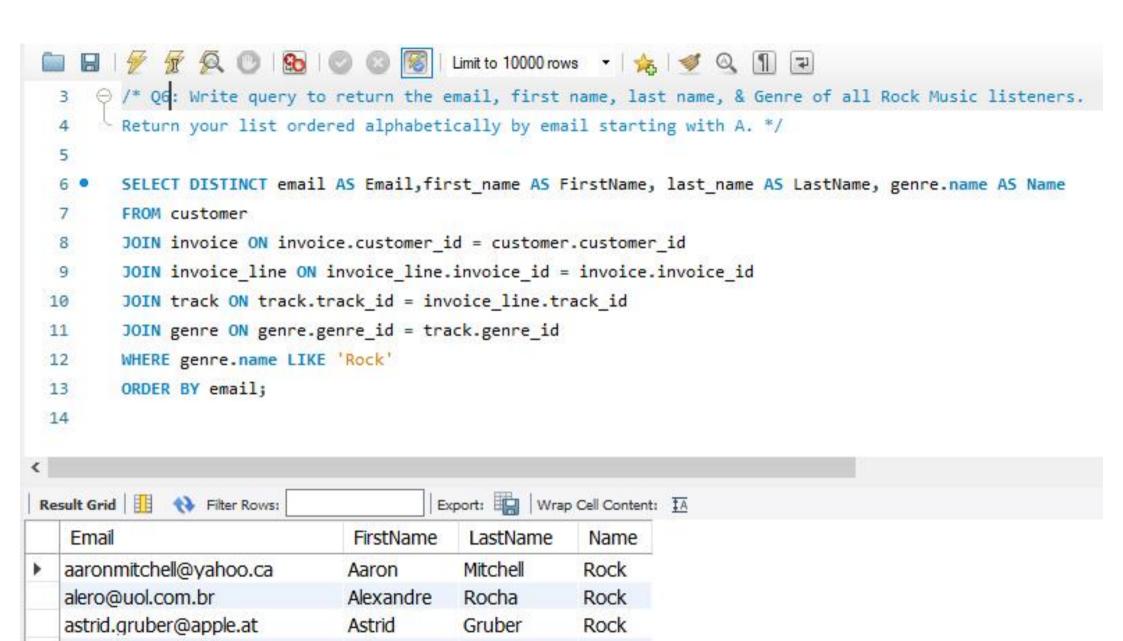
Andrew











bjorn.hansen@yahoo.no

BjÃ, rn

Hansen

Rock

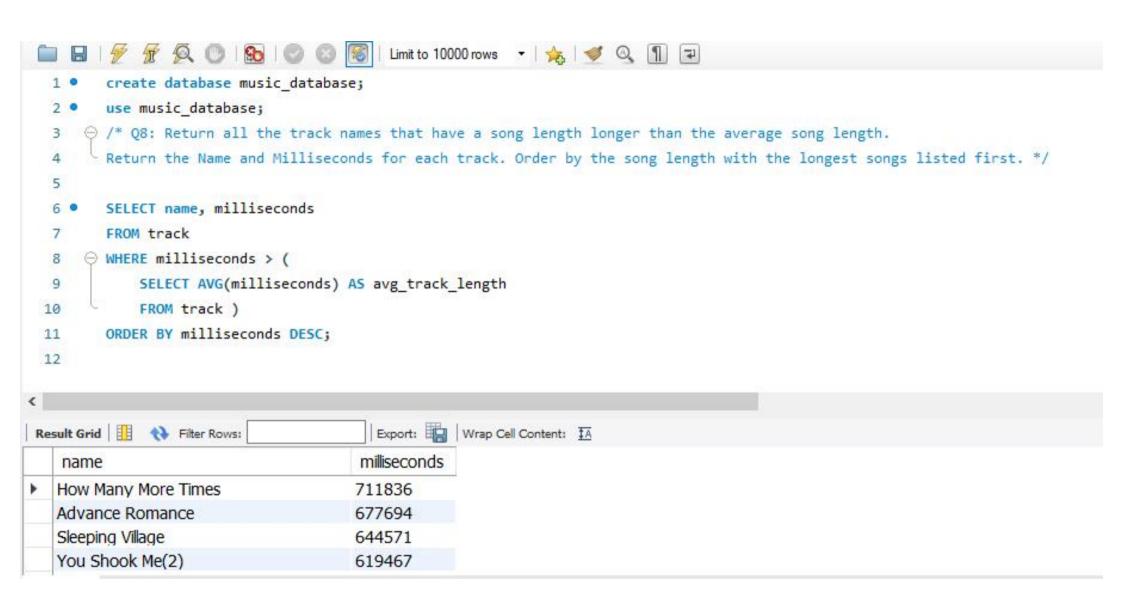
Query Query History 07: Let's invite the artists who have written the most rock music in our dataset. 1 ~ Write a query that returns the Artist name and total track count of the top 10 rock bands. */ 3 SELECT artist.artist_id, artist.name, COUNT(artist.artist_id) AS number_of_songs 4 FROM track 5 JOIN album ON album.album_id = track.album_id 6 JOIN artist ON artist.artist_id = album.artist_id 7 JOIN genre ON genre.genre_id = track.genre_id WHERE genre.name LIKE 'Rock' 9 GROUP BY artist.artist_id 10 ORDER BY number_of_songs DESC 11 LIMIT 10; 12

Data Output Messages Notifications

■ v 🖺 v = 📚 🕹 🕢 501

	artist_id [PK] character varying (50)	name character varying (120)	number_of_songs bigint
1	22	Led Zeppelin	114
2	150	U2	112
3	58	Deep Purple	92

Activate Win Go to Settings to



```
님 🦻 🥳 👰 🔘 🚱 🔘 🚳 Limit to 10000 rows ▼ 🛵 💜 🔍 🖺 🖘
    which customer spent the most on this artist. For this query, you will need to use the Invoice, InvoiceLine, Track, Customer,
 5
      Album, and Artist tables. Note, this one is tricky because the Total spent in the Invoice table might not be on a single product,
 6
      so you need to use the InvoiceLine table to find out how many of each product was purchased, and then multiply this by the price
7
      for each artist. */
 8
9
10

⊖ WITH best selling artist AS (
11 •
          SELECT artist.artist id AS artist id, artist.name AS artist name, SUM(invoice line.unit price * invoice line.quantity) AS total sales
12
13
          FROM invoice line
14
          JOIN track ON track.track id = invoice line.track id
          JOIN album ON album.album id = track.album id
15
          JOIN artist ON artist.artist id = album.artist id
16
17
          GROUP BY artist.artist id, artist.name
          ORDER BY total sales DESC
18
19
          LIMIT 1
20
21
      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
22
      JOIN customer c ON c.customer id = i.customer id
23
      JOIN invoice line il ON il.invoice id = i.invoice id
24
25
      JOIN track t ON t.track id = il.track id
26
      JOIN album alb ON alb.album id = t.album id
27
      JOIN best_selling artist bsa ON bsa.artist id = alb.artist_id
                                                                                                             Activate Windows
28
      GROUP BY c.customer id, c.first name, c.last name, bsa.artist name
                                                                                                             Go to Settings to activate Wini
29
      ORDER BY amount spent DESC;
```

```
Limit to 10000 rows ▼ | 🗽 | 🥩 🔍 👖 📦
           1 Q 0 S S
       create database music database;
1 .
       use music database;
2 .
3
       /* Q10: We want to find out the most popular music Genre for each country. We determine the most popular genre as the genre
4
       with the highest amount of purchases. Write a query that returns each country along with the top Genre. For countries where
5
       the maximum number of purchases is shared return all Genres. */
6
7
8
       WITH popular genre AS
9
    ⊖ (
10
           SELECT COUNT(invoice line.quantity) AS purchases, customer.country, genre.name, genre.genre id,
11
           ROW NUMBER() OVER(PARTITION BY customer.country ORDER BY COUNT(invoice line.quantity) DESC) AS RowNo
12
           FROM invoice line
13
           JOIN invoice ON invoice.invoice id = invoice line.invoice id
14
           JOIN customer ON customer.customer id = invoice.customer id
15
16
           JOIN track ON track.track id = invoice line.track id
           JOIN genre ON genre.genre id = track.genre id
17
           GROUP BY 2,3,4
18
           ORDER BY 2 ASC, 1 DESC
19
20
       SELECT * FROM popular_genre WHERE RowNo <= 1
21
```

