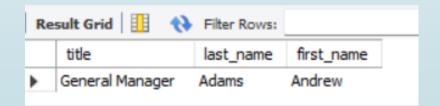
Welcome To Music Store Sales



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

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



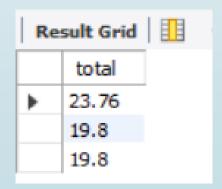
Q2: Which countries have the most Invoices?

```
SELECT COUNT(*) AS c, billing_country
FROM invoice
GROUP BY billing_country
ORDER BY c DESC
```

Result Grid 1					
	С	billing_country			
þ.	131	USA			
	76	Canada			
	61	Brazil			
	50	France			
	41	Germany			

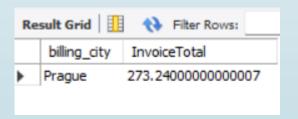
Q3: What are top 3 values of total invoice?

```
FROM invoice
ORDER BY total DESC
limit 3
```



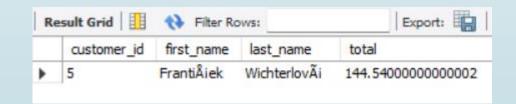
Q4: Which city has the best customers? We would like to throw a promotional Music Festival in the city we made the most money Write a query that returns one city that has the highest sum of invoice totals Return both the city name & sum of all invoice totals?

```
SELECT billing_city,SUM(total) AS InvoiceTotal
FROM invoice
GROUP BY billing_city
ORDER BY InvoiceTotal DESC
LIMIT 1;
```



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?

```
SELECT customer.customer_id, customer.first_name, customer.last_name, SUM(invoice.total) AS total
FROM customer
JOIN invoice ON customer.customer_id = invoice.customer_id
GROUP BY customer.customer_id, customer.first_name, customer.last_name
ORDER BY total DESC
LIMIT 1;
```



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?

```
SELECT DISTINCT c.email, c.first_name, c.last_name, g.name AS genre
FROM customer c

JOIN invoice i ON c.customer_id = i.customer_id

JOIN invoice_line il ON i.invoice_id = il.invoice_id

JOIN track t ON il.track_id = t.track_id

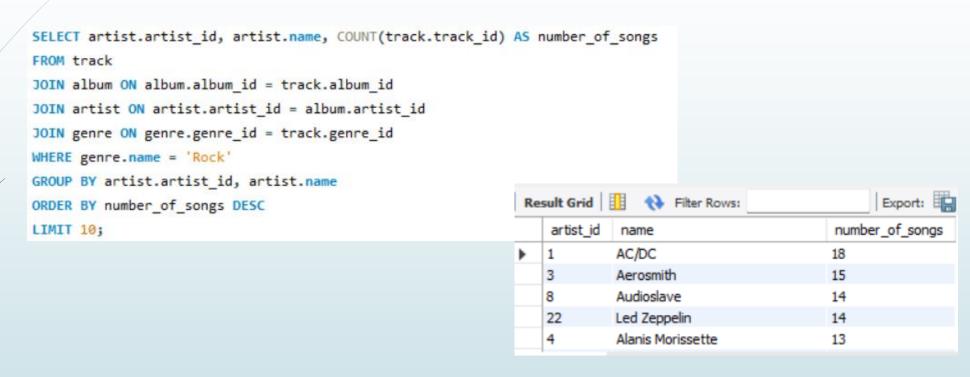
JOIN genre g ON t.genre_id = g.genre_id

WHERE g.name LIKE 'Rock'

ORDER BY c.email ASC;
```

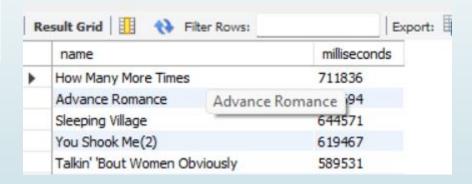
Result Grid					
	email	first_name	last_name	genre	
•	aaronmitchell@yahoo.ca	Aaron	Mitchell	Rock	
	alero@uol.com.br	Alexandre	Rocha	Rock	
	astrid.gruber@apple.at	Astrid	Gruber	Rock	
	bjorn.hansen@yahoo.no	Bjà ˌrn	Hansen	Rock	
	camille.bernard@yahoo.fr	Camille	Bernard	Rock	

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?

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



Q9: 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?



Q10: 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?

