

Music Store
Data Analysis



SQL project to analyse online music store data.

This project is in SQL and will teach you how to analyse the music playlist database.

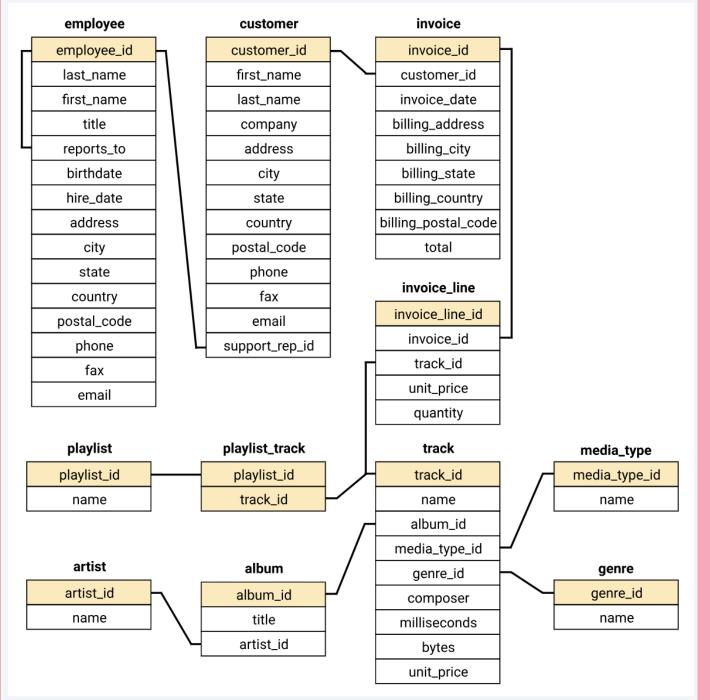
You can examine the dataset with SQL and help the store understand its business growth by answering simple questions.

Database and Tools

MYSQL Workbench



Database Schema

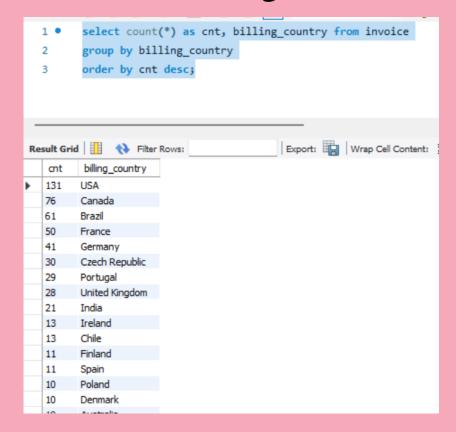




senior most employee based on job title

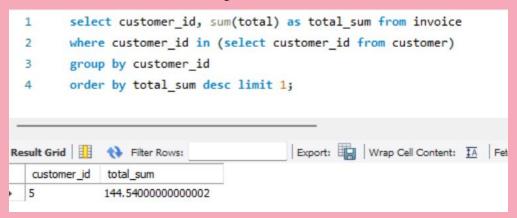


countries having the most Invoices

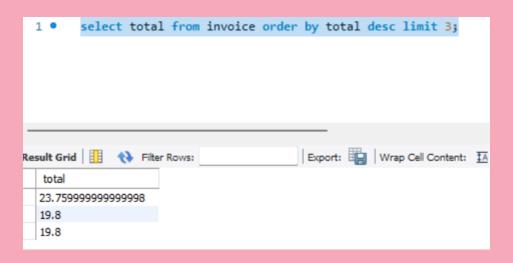




Who is the best customer? The customer who has spent the most money will be declared the best customer. Write a query that returns the person who has spent the most money

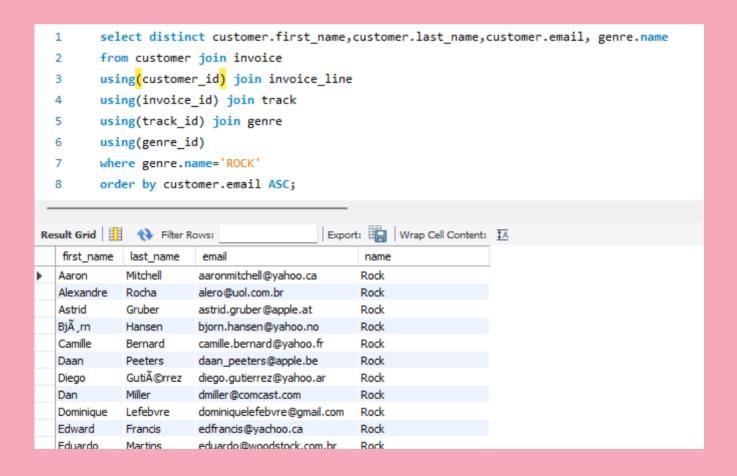


top 3 values of total invoice



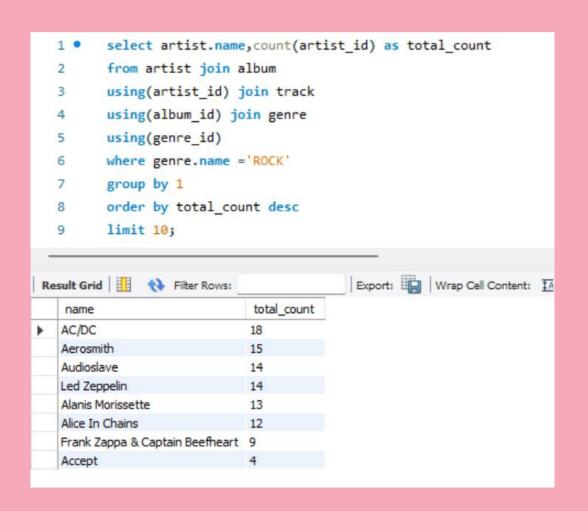


Write query to return the email, first name, last name, & Genre of all Rock Music listeners. Return your list ordered alphabetically by email starting with A



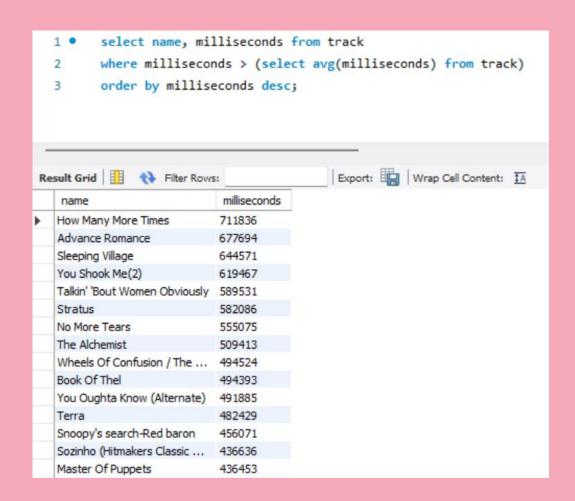


Let's invite the artists who have written the most rock music in our dataset. Write a query that returns the Artist name and total track count of the top 10 rock bands.





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.





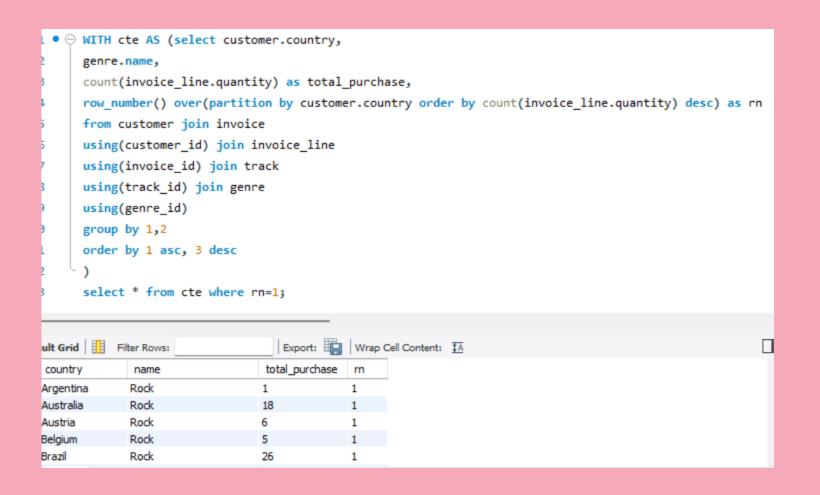
Find how much amount spent by each customer on artists? Write a query to return customer name, artist name and total spent.

```
WITH cte as (select artist.artist id AS art id,
artist.name, sum(invoice line.unit price*invoice line.quantity) as total spent
from invoice join invoice line
using(invoice id) join track
using(track id) join album
using(album id) join artist
using(artist id)
group by 1,2
order by total spent desc limit 1)
select distinct concat(customer.first name, ' ', customer.last name) as cust name, customer.customer id,
cte.name as artist name, sum(invLine.unit price*invLine.quantity) as total amount spent
from customer join invoice
using(customer_id) join invoice_line invLine
on invoice.invoice id=invLine.invoice id join track
using(track id) join album
using(album_id) join cte
on album.artist id=cte.art id
group by 1,2,3
order by total amount spent desc;
```

				-
	cust_name	customer_id	artist_name	total_amount_spent
٠	Steve Murray	54	AC/DC	17.82
	Phil Hughes	53	AC/DC	10.89
	Kathy Chase	21	AC/DC	10.89
	StanisÅ,aw Wójcik	49	AC/DC	9.9
	LuÃ-s Gonçalves	1	AC/DC	7.920000000000001
	Frank Ralston	24	AC/DC	7.920000000000001
	Martha Silk	31	AC/DC	3.96
	Frank Harris	16	AC/DC	2.969999999999998
	Wyatt Girard	42	AC/DC	2.969999999999998
	Helena HolÃ1/2	6	AC/DC	2.969999999999998
	Niklas SchrĶder	38	AC/DC	2.969999999999998
	Madalena Sampaio	35	AC/DC	2.969999999999998
	Terhi Hämäläi	44	AC/DC	2.969999999999998
	Kara Nielsen	9	AC/DC	1.98
	João Fernandes	34	AC/DC	1.98
200	Luis Doise	57	vc/pc	1 09

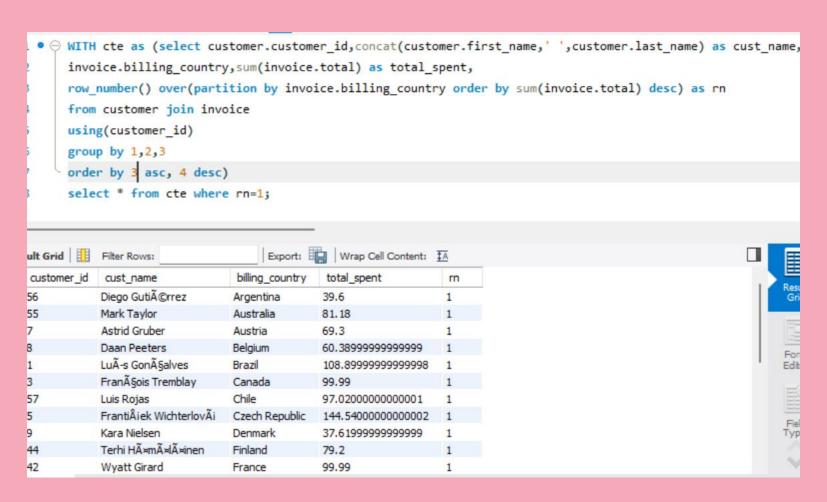


We want to find out the most popular music Genre for each country. We determine the most popular genre as the genre with the highest number of purchases. Write a query that returns each country along with the top Genre. For countries where the maximum number of purchases is shared return all Genres





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





THANK YOU SO MUCH

Please feel free to suggest or share your valuable feedback.