SQL PROJECT- MUSIC STORE DATA ANALYSIS

# Question Set 1 - Easy

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

->select \* from employee

where title='general manager'

order by levels desc limit 1;

1. Which countries have the most Invoices?

-> select count(billing\_country) as total\_invoices ,billing\_country as countries

from invoice

group by countries

having total\_invoices >1

order by total\_invoices desc;

1. What are top 3 values of total invoice?

-> select total as total\_value from invoice

order by total\_value desc

limit 3;

1. 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 as Top\_city,round(sum(total),2) as total\_invoice

from invoice

group by Top\_city

order by total\_invoice desc;

1. 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 c.customer\_id AS cid,c.first\_name,

ROUND(SUM(i. total), 2) AS total\_spending

FROM customer AS c

JOIN invoice AS i

ON c.customer\_id = i.customer\_id

GROUP BY cid ,c.first\_name

ORDER BY total\_spending DESC limit 1;

# 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

-> select distinct c.email,c.first\_name,c.last\_name

from customer as c

join invoice as i on c.customer\_id = i.customer\_id

join invoice\_line as il on il.invoice\_id = i.invoice\_id

where track\_id in(

select track\_id from track as t

join genre as g

on t.genre\_id = g.genre\_id

where g.name like 'rock')

order by email asc;

1. 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

-> select artist.artist\_id,artist.name,count(artist.artist\_id) as ‘no\_of\_songs’

from track

join album2 on album2.album\_id=track.album\_id

join artist on artist.artist\_id=album2.artist\_id

join genre on genre.genre\_id=track.genre\_id

where genre.name like 'rock'

group by artist.artist\_id

order by no\_of\_songs desc

limit 10;

1. 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 as 'songs\_length(milliseconds)'

FROM track

WHERE milliseconds > (

SELECT AVG(milliseconds) AS avg\_length

FROM track)

ORDER BY milliseconds desc;