SQL PROJECT- MUSIC STORE DATA ANALYSIS

# Question Set 1 - Easy

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

Ans Madan Mohan

1. Which countries have the most Invoices?

Ans USA

Select COUNT (\*) as c, billing\_country

From invoice

Group by billing\_country

Order by c desc

1. What are top 3 values of total invoice?

Ans 1. 23.759999999998

2. 19.8

3. 19.8

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

Ans 273.24000000 Prague

Select sum (total) as invoice\_total,

billing\_city

from invoice

group by billing\_city

order by invoice\_total 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

Ans R Madhav 144.54000000000

Select customer. customer\_id, 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

ORDER BY total 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

Ans. SELECT DISTINCT email, First\_name, Last\_name FROM Customer

JOIN invoice ON Customer, Customer\_ id=invoice.customer\_ id

JOIN invoice line ON invoice, invoice\_ id=invoiceline.invoice\_id

WHERE track\_ id IN (

SELECT track\_id FROM track

JOIN genre ON track.genre\_ id = genre.genre\_id

WHERE genre.name LIKE ‘ROCK’

)

ORDER BY email;

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

Ans. SELECT artist.artist\_id, artist.name, COUNT(artist.artist\_id)AS number\_of\_songs

FROM track

JOIN album ON album.album\_id = track.album\_id

JOIN artist ON artist.artist\_id = album.artist\_id

JOIN genre ON genre.genre\_id = track.genre\_id

WHERE genre.name LIKE ‘ROCK’

GROUP BY artist.artist\_id

ORDER BY number\_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

Ans. SELECT name, milliseconds

FROM track

WHERE milliseconds > (

SELECT AVG(milliseconds) AS

avg\_ track\_ length

FROM track)

ORDER BY milliseconds DESC;