

# SQL PROJECT- MUSIC STORE DATA ANALYSIS

## Question Set 1 - Easy

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

Ans: The most senior employee is “Nancy Edwards”, and her job is “Sales Manager”.

Q2: Which countries have the most invoices?

Ans: The “USA” has the most invoices (131). After that comes “Canada (76)” and “Brazil (61)”. Other countries like France, Germany, India, and many more have fewer invoices in comparison.

Q3: What are the top 3 values of total invoice?

A: The three biggest invoices are \$23.76, \$19.80, and \$18.81.

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.?

Ans: Prague is our top-revenue city, making it the ideal location for the Music Festival to engage our best customers.

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.?

Ans: “František Wichterlová” is our highest-spending customer with \$144.54, making them the best customer.

## 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: These are our Rock music listeners, perfect for targeted promotions or campaigns in the Rock genre.

2. 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: Led Zeppelin – 114 tracks
- U2 – 112 tracks
- Deep Purple – 92 tracks
- Iron Maiden – 81 tracks
- Pearl Jam – 54 tracks
- Van Halen – 52 tracks
- Queen – 45 tracks

- The Rolling Stones – 41 tracks
- Creedence Clearwater Revival – 40 tracks
- Kiss – 35 tracks

3. 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.?

1. "Occupation / Precipice" – 5,286,953 ms
2. "Through a Looking Glass" – 5,088,838 ms
3. "Greetings from Earth, Pt. 1" – 2,960,293 ms
4. "The Man With Nine Lives" – 2,956,998 ms
5. "Battlestar Galactica, Pt. 2" – 2,956,081 ms
6. "Battlestar Galactica, Pt. 1" – 2,952,702 ms
7. "Murder On the Rising Star" – 2,935,894 ms
8. "Battlestar Galactica, Pt. 3" – 2,927,802 ms
9. "Take the Celestra" – 2,927,677 ms
10. "Fire In Space" – 2,926,593 ms

## Question Set 3 – Advance

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

Ans:-

1. Hugh O'Reilly – \$27.72
2. Niklas Schröder – \$18.81
3. François Tremblay – \$17.82
4. João Fernandes – \$16.83
5. Phil Hughes – \$11.88
6. Marc Dubois – \$11.88
7. Lucas Mancini – \$10.89
8. Ellie Sullivan – \$10.89
9. Dan Miller – \$3.96
10. František Wichterlová – \$3.96

Insight:  
These customers purchased music from Queen, showing individual spending patterns on this artist.

2. 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.?

Ans:-

1. Argentina – Pop (Diego Gutiérrez – \$39.60)
2. Australia – Pop (Mark Taylor – \$81.18)
3. Austria – Pop (Astrid Gruber – \$69.30)
4. Belgium – Pop (Daan Peeters – \$60.39)
5. Brazil – Pop (Luís Gonçalves – \$108.90)
6. Canada – Pop (François Tremblay – \$99.99)
7. Chile – Pop (Luis Rojas – \$97.02)
8. Czech Republic – Pop (František Wichterlová – \$144.54)
9. Denmark – Pop (Kara Nielsen – \$37.62)
10. Finland – Pop (Terhi Hämäläinen – \$79.20)

Insight:

This shows the most purchased music genre per country, helping to tailor marketing and promotions region-wise.



3. 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.?

Ans:-

1. Argentina – Diego Gutiérrez – \$39.60
2. Australia – Mark Taylor – \$81.18
3. Austria – Astrid Gruber – \$69.30
4. Belgium – Daan Peeters – \$60.39
5. Brazil – Luís Gonçalves – \$108.90
6. Canada – François Tremblay – \$99.99
7. Chile – Luis Rojas – \$97.02
8. Czech Republic – František Wichterlová – \$144.54
9. Denmark – Kara Nielsen – \$37.62
10. Finland – Terhi Hämäläinen – \$79.20

Insight:

This shows the highest-spending customer in each country, helping identify key customers for targeted marketing or loyalty programs.

**THANKS FOR READING MY  
INSIGHTS !!**