

Business Questions for Music Store Analysis

Question Set 1 - Easy

- 1. Who is the senior most employee based on job title?
- 2. Which countries have the most Invoices?
- 3. What are top 3 values of total invoice?
- 4. 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
- 5. 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

Question Set 2 - Moderate

- 1. Write a query to return the email, first name, last name, & Genre of all Rock Music
- 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
- 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
- 4. Find Customers Who Purchased More Than 10 Tracks
- Write a query to find the email, first name, last name, and total number of tracks purchased by customers who have bought more than 10 tracks. Sort the result by the total number of tracks purchased in descending order.
- 5. List All Albums with Tracks in Multiple Genres
- Write a query to return the album title and the number of unique genres in which its tracks appear. Return only albums with tracks in more than one genre. Sort the result by the number of genres in descending order.
- 6. Top 5 Cities by Unique Customers
- Write a query to find the top 5 cities with the highest number of unique customers. Return the city name and the count of unique customers in descending order.

Question Set 3 - Difficult

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

--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

--4. Revenue Contribution by Media Type for Each Genre

--Write a query to return the genre name, media type name, and total revenue generated for each combination. Sort the results by revenue in descending order.

--5. Customer Spending on Top 3 Genres

--Write a query to return the customer ID, first name, last name, and total amount spent for each of the top 3 most popular genres. Sort the result by the genre and spending in descending order.

--6. Tracks That Appear in the Most Playlists

--Write a query to find the names of tracks that appear in the most playlists. Return the track name and the total number of playlists in which it appears. Sort the result by the number of playlists in descending order and limit the result to the top 10 tracks.