

QUESTIONS

Question Set 1 – Easy:

- Who is the senior most employee based on job title?
- Which countries have the most invoices?
- What are the top 3 values of total invoice?
- 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.
- 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:

- 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.
- Which media type has the highest average track duration? Write a query to calculate the average track duration (in milliseconds) for each media type and identify the media type with the highest average duration. This information can help understand the preferred media format for longer tracks and potentially influence inventory management decisions.
- The company wants to analyse the sales report to make business plans for future. Company wants to find out which sales person is performing on top in each country. Write a query to display the report of country, the top sales person in that country and their sales amount.

Question Set 3 – Advanced:

- Find how much amount spent by each customer on artists. Write a query to return customer name, artist name, and total spent.
- 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.
- 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 multiple customers have spent the same maximum amount, return all customers.
- Can we identify the most influential artists based on their impact on track sales? Write a query to analyse the relationship between the number of tracks sold and the artists associated with those tracks. Identify the artists who have the highest total track sales and determine their impact on overall sales performance.
- Company is building a website where the job-level hierarchy should be shown in levels. Write a query to display company hierarchy with the manager being on top. The manager should have level 1 and so on.