

Business Questions

The following questions are ranked according to the complexity of the SQL syntax.

1. Which country has the most invoices?
2. Who is the most senior employee based on the job title?
3. What are the top 3 values for the total invoice?
4. Who is the best customer?
 - The customer who has spent the most money is considered as the best customer.
 - Write a query that returns the full name of that person who has spent the most money.
5. Which city has the best customers?
 - We would like to host a promotional Music Festival in the city where we have the highest profit.
 - Write a query that returns only one city with the highest sum of invoice totals.
 - Return both the city name and the sum of all invoice total.
6. Write a query to retrieve customers who have spent more than 100.
 - The result should display the customers' full names along with the amount of money they spent in descending order.
7. Write a query to return the email, first name, last name, and genre of all Rock music listeners.
 - Return your list ordered alphabetically by email, starting with 'A'.
8. We would like to invite 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.
9. 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 song listed first.
10. Find how much amount is spent by each customer on the best-selling artists.
 - Write a query to return the customer's name, artist name, and total amount spent.
11. We would like to categorise albums based on their sales performance to identify hit albums, popular albums, and normal albums.
 - We define hit albums as those with the top 10% of total sales, popular albums as those with sales ranking between 10% and 30%, and the remaining albums as normal albums.
 - Write a query to retrieve a categorised list of albums based on their sales performance, including the album title, genre, total sales, and album category.
12. Find how much amount is spent by each customer on the best-selling artists.
 - Write a query to return the customer's name, artist name, and total amount spent.
13. Write a query that retrieves the customer spending the most on music for each country and returns the country, the top customer, the genre, and the amount they spent.
 - In cases where multiple customers share the highest amount spent, include all of them.