

SQL PROJECT- MUSIC STORE DATA ANALYSIS

Q1(a): Change the column names in the customers table This section modifies column names in the "customers" table, enhancing clarity and consistency.

Q1(b): Change the column names in the employees table Similar to Q1(a), this section adjusts column names in the "employees" table for improved readability.

Q2: Which country has the most customers? This query identifies the country with the highest number of customers, providing insights into customer distribution.

Q3: Maximum, minimum, and mean of customer's credit limit Calculates key statistics (maximum, minimum, and mean) for customer credit limits, aiding in financial analysis.

Q4: Where every employee reports Explores the reporting relationships among employees, detailing who reports to whom within the organization.

Q5: Top 5 customers ordered by total amount (descending) Identifies and ranks the top 5 customers based on the total amount of payments made, facilitating customer prioritization.

Q6: Group customers by the number of orders and count the number of customers for a specific date range Groups customers based on the number of orders placed within a specified date range, providing order distribution insights.

Q7: Percentage of orders in different statuses Analyzes the percentage distribution of orders across various statuses, including shipped, resolved, and others.

Q8: Time taken from order to shipment Calculates the time difference between order placement and shipment for enhanced order fulfillment analysis.

Q9: Comments from customers (unhappy and happy) Identifies customer comments indicating satisfaction or dissatisfaction, facilitating sentiment analysis.

Q10: Relationship between sold units and stock Examines the relationship between sold units and available stock for each product, aiding in inventory management.

Q11: Relationship between customers and sales reps Investigates the association between customers and their corresponding sales representatives, assessing sales performance.

Q12: Every manager and the number of members in their team Provides insights into the team sizes led by each manager within the organization.

Q13: The best manager and total sales per team Identifies the best-performing manager and summarizes total sales for each managerial team, aiding in managerial assessment.

Q14: Create a view for product summary Creates a database view summarizing product information, simplifying access to key product-related metrics.

Q15: Create indexes for optimization Adds indexes to optimize data retrieval speed, enhancing database performance.

Q16: Count total orders for Madrid city Counts the total number of orders for customers located in Madrid, providing location-specific order insights.