Topic: SQL, Database Schema

Created By: Pritey Mehta

Important Notes:

All queries should be submitted in a SQL file with the query number as the file name.

The query definition should be in this file.

1. Write a SQL query to retrieve the names of all customers who have placed orders for products in the "Electronics" category, along with the total amount they have spent on all orders. The output should be sorted by the total amount spent in descending order.

2. Write a SQL query to retrieve the names of all employees who have sold at least one product in the "Clothing" category, along with the total revenue they have generated from those sales. The output should be sorted by total revenue generated in descending order.

3. Write a SQL query to retrieve the names of all customers who have placed orders for products in both the "Electronics" and "Clothing" categories. The output should only include customers who have ordered products in both categories.

4. Write a SQL query to retrieve the names of all employees who have sold at least one product to a customer who has a shipping address in the same city as the employee. The output should only include employees who have made at least one such sale.

5. Write a SQL query to retrieve the names of all customers who have placed orders for products in the "Electronics" category, but have never placed an order for products in the "Clothing" category.

6. Write a SQL query to retrieve the names of all employees who have sold at least one product to customers who have placed orders for products in the "Electronics" category, but have never placed an order for products in the "Clothing" category. The output should only include employees who have made at least one such sale.

7. Write a SQL query to retrieve the names of all customers who have placed orders for more than five different products in the "Electronics" category.

8. Write a SQL query to retrieve the names of all employees who have sold products to customers who have placed orders for more than five different products in the "Electronics" category. The output should only include employees who have made at least one such sale.