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1 INSERT INTO Products (ProductName, Category, Price) VALUES
2     ('Laptop', 'Electronics', 1200.00),
3     ('Mouse', 'Electronics', 25.00),
4     ('Book', 'Books', 20.00),
5     ('T-shirt', 'Clothing', 30.00);
6
7 INSERT INTO Customers (CustomerName, City) VALUES
8     ('Alice Smith', 'New York'),
9     ('Bob Johnson', 'Los Angeles'),
10    ('Charlie Brown', 'Chicago'),
11    ('David Lee', 'Houston'),
12    ('Eve Wilson', 'Phoenix'),
13    ('Frank Garcia', 'Philadelphia'),
14    ('Grace Rodriguez', 'San Antonio'),
15    ('Henry Martinez', 'San Diego'),
16    ('Ivy Anderson', 'Dallas'),
17    ('Jack Thomas', 'San Jose');
18
19 INSERT INTO Sales (ProductID, CustomerID, SaleDate, Quantity) VALUES
20 (1, 1, '2023-10-26', 2),  -- Alice buys 2 Laptops
21 (2, 1, '2023-10-26', 1),  -- Alice buys 1 Mouse
22 (3, 2, '2023-10-26', 3),  -- Bob buys 3 Books
23 (4, 3, '2023-10-27', 1),  -- Charlie buys 1 T-shirt
24 (1, 4, '2023-10-27', 1),  -- David buys 1 Laptop
25 (2, 5, '2023-10-27', 2),  -- Eve buys 2 Mouses
26 (3, 6, '2023-10-28', 1),  -- Frank buys 1 Book
27 (4, 7, '2023-10-28', 2),  -- Grace buys 2 T-shirts
28 (1, 8, '2023-10-28', 3),  -- Henry buys 3 Laptops
29 (2, 9, '2023-10-29', 1),  -- Ivy buys 1 Mouse
30 (3, 10, '2023-10-29', 2), -- Jack buys 2 Books
31 (4, 1, '2023-10-29', 1),  -- Alice buys 1 T-shirt
32 (1, 2, '2023-10-30', 1),  -- Bob buys 1 Laptop
33 (2, 3, '2023-10-30', 3),  -- Charlie buys 3 Mouses
34 (3, 4, '2023-10-30', 1),  -- David buys 1 Book
35 (4, 5, '2023-10-31', 2),  -- Eve buys 2 T-shirts
36 (1, 6, '2023-10-31', 1),  -- Frank buys 1 Laptop
37 (2, 7, '2023-10-31', 2),  -- Grace buys 2 Mouses
38 (3, 8, '2023-11-01', 3),  -- Henry buys 3 Books
39 (4, 9, '2023-11-01', 1),  -- Ivy buys 1 T-shirt
40 (1, 10, '2023-11-01', 2); -- Jack buys 2 Laptops
41
42 --1. retrieve all the data from the products TABLE
43 SELECT * FROM Products;
44
45 --2. retrieve the names and categories of all Products
46 SELECT ProductName, Category FROM Products
47
48 --3. retrieve all data from customers TABLE
49 SELECT * FROM Customers
50
51 --4. retrieve names and city of all Customers
52 SELECT CustomerName, City FROM Customers
53
54 --5. retrieve all data from the sales TABLE
55 SELECT * FROM Sales
56
57 --6. retrieve the SaleID amd SaleDate from the sales TABLE
58 SELECT SaleID, SaleDate FROM Sales
59
60 --7. retrieve all products in the electronics Category
61 SELECT * FROM Products WHERE Category = 'Electronics'
62
63 --8. retrieve all customers from the city new york
64 SELECT * FROM Customers WHERE City = 'New York'
65
66 --9. retrieve sales made on a specific date
67 SELECT * FROM Sales WHERE SaleDate = '2023-10-26'
68
69 --10. order products by price in ascending ORDER
70 SELECT * FROM Products ORDER by Price ASC
71
72 --11. order customers by name in descending ORDER
73 SELECT * FROM Customers ORDER by CustomerName DESC

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