# Day 8 – SQL Practice Questions

## 📊 Dataset: Customers, Orders & Payments

This dataset simulates an e-commerce setting with customers placing orders and making payments. It allows us to explore customer behavior, order volumes, and payment analytics using SQL.

### Customers Table

|  |  |  |
| --- | --- | --- |
| CustomerID | CustomerName | Country |
| 1 | Ananya | India |
| 2 | John | USA |
| 3 | Mei | China |
| 4 | Carlos | Mexico |
| 5 | Fatima | UAE |

### Orders Table

|  |  |  |  |
| --- | --- | --- | --- |
| OrderID | CustomerID | OrderDate | TotalAmount |
| 101 | 1 | 2023-05-10 | 500 |
| 102 | 2 | 2023-06-12 | 300 |
| 103 | 1 | 2023-06-14 | 150 |
| 104 | 3 | 2023-07-01 | 700 |
| 105 | 5 | 2023-07-02 | 200 |

### Payments Table

|  |  |  |  |
| --- | --- | --- | --- |
| PaymentID | OrderID | PaymentDate | AmountPaid |
| 201 | 101 | 2023-05-11 | 500 |
| 202 | 102 | 2023-06-13 | 300 |
| 203 | 103 | 2023-06-15 | 150 |
| 204 | 104 | 2023-07-03 | 700 |

## 📘 Practice Questions

1. List all customers along with their total number of orders.

2. Show total revenue (sum of TotalAmount) generated per country.

3. Find customers who haven’t placed any orders.

4. List all orders with their corresponding payment status (Paid or Not Paid).

5. Display total amount paid by each customer.

6. Identify customers who made more than one payment.

7. Show orders where the full payment hasn’t been received.

8. List customers who have placed orders in June 2023.

9. Rank customers by their total spending (TotalAmount from Orders).

10. Calculate average order value per country.

## 🎯 Bonus Challenge

Write a query to find the top 2 spending customers from each country based on total order value.