# Day 3 – SQL Practice Questions

## 📊 Dataset: Customers & Orders (Extended)

Below are two tables with sample data for SQL practice.

### Customers Table

|  |  |  |  |
| --- | --- | --- | --- |
| CustomerID | CustomerName | City | JoinDate |
| 1 | Priya Sharma | Delhi | 2020-01-15 |
| 2 | Rahul Jain | Mumbai | 2019-11-03 |
| 3 | Aarti Desai | Ahmedabad | 2021-06-25 |
| 4 | Ravi Kumar | Bengaluru | 2020-07-19 |
| 5 | Sneha Agarwal | Hyderabad | 2019-02-10 |

### Orders Table

|  |  |  |  |
| --- | --- | --- | --- |
| OrderID | CustomerID | Amount | OrderDate |
| 101 | 1 | 1500 | 2022-03-10 |
| 102 | 2 | 3000 | 2022-04-12 |
| 103 | 3 | 750 | 2022-05-15 |
| 104 | 2 | 1200 | 2022-06-18 |
| 105 | 5 | 4000 | 2021-07-20 |
| 106 | 1 | 2500 | 2021-08-15 |
| 107 | 4 | 1800 | 2022-02-11 |

## 📘 Practice Questions

1. 1. List all customers with their city and join date.
2. 2. Show total order amount per customer.
3. 3. Which customers have placed more than 1 order? (Use HAVING)
4. 4. List customers who joined in or after 2020.
5. 5. Classify each order as 'High' if amount > 2000, else 'Low'. (Use CASE WHEN)
6. 6. Show month-wise total orders (by amount).
7. 7. Which customers haven’t placed any order? (Use LEFT JOIN + NULL)
8. 8. Find average order amount for customers who joined before 2020.
9. 9. List customer names and the number of days since their first order.

## 🎯 Bonus Challenge

Write a query to rank customers by total spending (highest to lowest) using RANK() or DENSE\_RANK().