# Day 11 – SQL Practice Questions

## 📦 Dataset: Customers, Orders, Products & Shipping

Today’s practice simulates an online store. You'll work with customer profiles, order records, product catalogs, and shipping info. This exercise emphasizes filtering, subqueries, joins, and understanding order fulfillment.

### Customers Table

|  |  |  |
| --- | --- | --- |
| CustomerID | CustomerName | City |
| 1 | Alice | Bangalore |
| 2 | Bob | Mumbai |
| 3 | Charlie | Delhi |
| 4 | David | Chennai |
| 5 | Eva | Hyderabad |

### Products Table

|  |  |  |  |
| --- | --- | --- | --- |
| ProductID | ProductName | Category | Price |
| 101 | Laptop | Electronics | 800 |
| 102 | Keyboard | Electronics | 40 |
| 103 | T-shirt | Clothing | 20 |
| 104 | Book | Stationery | 15 |
| 105 | Shoes | Footwear | 60 |

### Orders Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| OrderID | CustomerID | ProductID | Quantity | OrderDate |
| 5001 | 1 | 101 | 1 | 2023-01-15 |
| 5002 | 2 | 102 | 2 | 2023-01-17 |
| 5003 | 1 | 103 | 3 | 2023-01-20 |
| 5004 | 3 | 104 | 1 | 2023-01-25 |
| 5005 | 5 | 105 | 2 | 2023-02-02 |

### Shipping Table

|  |  |  |
| --- | --- | --- |
| OrderID | ShippedDate | DeliveryStatus |
| 5001 | 2023-01-16 | Delivered |
| 5002 | 2023-01-19 | Delivered |
| 5003 | 2023-01-21 | Delivered |
| 5004 | 2023-01-30 | Pending |
| 5005 | NULL | Not Shipped |

## 📘 Practice Questions

1. List all customer names and their cities.

2. Show total quantity of items ordered by each customer.

3. Display total revenue generated per customer (Price × Quantity).

4. List all products that have not been ordered.

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

6. Show order details along with shipping status.

7. List orders where shipping is pending or not yet shipped.

8. Display top 2 customers by total order value.

9. Find the most popular product (highest total quantity ordered).

10. For each category, display the product with highest revenue.

## 🎯 Bonus Challenge

Write a query to calculate average delivery time (in days) for all delivered orders.