Exercise 7

1. Unique Customer Names

```
SELECT customer_name
FROM online_sales
UNION
SELECT customer_name
FROM store_sales
ORDER BY customer_name;
```

Expected result

Alice, Brian, Carol, Daniel
Emma, Fiona, George, Henry

2. All Customers

```
SELECT customer_name
FROM online_sales
UNION ALL
SELECT customer_name
FROM store_sales
ORDER BY customer_name;
```

Expected Result

Alice, Brian, Carol, Daniel
Emma, Fiona, Brian
George, Alice, Henry

3. Unique Sales Dates

```
SELECT sales_date
FROM online_sales
UNION
SELECT sales_date
FROM store_sales
ORDER BY sales_date
```

Expected Results

2025-01-12 2025-03-10
2025-01-20 2025-03-25
2025-02-05 2025-04-18
2025-02-08 2025-05-02

4. All Sale Dates

```
SELECT sale_date
FROM online_sales
UNION ALL
SELECT sale_date
FROM store_sales ORDER BY sale_date
```

Expected Results

2025-01-12
2025-01-20
2025-02-05
2025-02-08
2025-03-10
2025-03-25
2025-04-15
2025-04-18
2025-05-02
2025-05-05

5. High Value Customers
Rows)

```
SELECT customer_name, amount
FROM online_sales
WHERE amount > 250
UNION
SELECT customer_name, amount
FROM store_sales
WHERE amount > 250
```

OUTPUT COLUMNS

customer_name	amount
Carol	300
George	310
Henry	270

6. Combined Sales Data

```
SELECT customer_name, amount, sale_date
FROM online_sales
UNION ALL
SELECT customer_name, amount, sale_date
FROM store_sales;
```

OUTPUT Columns: customer_name, amount, sale_date

customer_name	amount	Sale_date
Alice	150	2025-01.12
Brian	250	2025.02.05
Carol	300	2025.03.16

7. Add Sales Source Label

```
SELECT customer name, amount, sale date, Online As source
FROM online sales
UNION ALL
SELECT customer name, amount, sale date, Store As source
FROM store sales
```

OUTPUT COLUMNS : customer name, amount, Sale date, Source

customer name	amount	Sale date
Alice	150	2025.01.12
Brian	250	2025.02.05
Carol	300	2025.03.16

8. Customers Appearing in Both Tables

SELECT customer name, FROM online sales
UNION ALL
SELECT customer name FROM store sales

* GROUP BY CUSTOMER NAME : HAVING COUNT >= 2 (two)
OUTPUT COLUMNS : customer_name, occurrences

RESULT

Customer Name	occurrences
Alice	2
Brian	2

9. Total Combined Sales

SELECT SUM(amount) As total amount
FROM : SELECT amount FROM online sales
UNION ALL
SELECT amount FROM store sales

OUTPUT COLUMNS

customer Name	total spent
George	310
Carol	300
Henry	270

OutPut Columns : total amount

Bonus : Each Customer's Total Combined Amount

* SELECT customer name, Sum(amount) As total spent
FROM : SELECT customer name, amount FROM online sales
UNION ALL
SELECT customer name, amount FROM store sales