Exercise 7 — UNION and UNION ALL

1. List all unique customer names from both tables using UNION

```
SELECT customer_name From online_sales
UNION

SELECT customer_name From store_sales;
```

Customer_name
Alice
Brian
Carol
Daniel
Emma
Fiona
George
Henry

2. List all customer names from both tables using UNION ALL

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

customer_name
Alice
Brian
Carol
Daniel
Emma
Fiona
Brian
George
Alice
Henry

3. Show all unique sale dates from both tables in ascending order.

```sql
SELECT sale_date FROM online_sales
UNION
SELECT sale_date FROM store_sales;
```

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

4. List all sale dates (with duplicates) using UNION ALL

```sql
SELECT sale_date FROM online_sales
UNION ALL
SELECT sale_date FROM store_sales
```

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

5. Combine all records from both tables using UNION ALL

5 Combine both tables and list unique customers who made purchases
greater than 250.
SELECT customer_name, amount
FROM online_sales
WHERE amount >250
UNION

SELECT customer_name, amount
FROM store_sales
WHERE amount >250;

Customer_name	Amount
Carol	300
Geoge	310
Henry	270

6. Combine all records from both tables using UNION ALL
SELECT customer_name,
       Sale_date,
       Amount
FROM online_sales

UNION ALL

SELECT customer_name,
       Sale_date,
       Amount
FROM store_sales

Customer-name	Sale-date	Amount
Alice	2025-01-12	150
Brian	25-02-05	250
Carol	2025-03-10	300
Daniel	2025-04-15	220
Emma	2025-05-02	180
Fiona	2025-01-20	200
Brian	2025-02-08	250
George	2025-03-25	310
Alice	2025-04-18	150
Henry	2025-05-05	270

7. Combine both tables but include a new column 'Source' that indicates whether the sale was made online or store.

8. Find all customers who appear in both online_sales and store sales.

9.
```
SELECT
    SUM(Amount) AS total_amount
FROM online_sales

UNION ALL

SELECT
    SUM(Amount) As total_amount
FROM store sales;
```

Total_amount
2280