

Exercise 7: Union and Union All

1. Select customer name
From online sales
Union
Select customer name
From store sales;

| Customer name |
|---------------|
| Alice |
| Brian |
| Carol |
| Daniel |
| Emma |
| Fiona |
| George |
| Henry |

2. Select customer name
From online sales
Union All
Select customer name
From store sales;

| Customer name | Customer name |
|---------------|---------------|
| Alice | Brian |
| Brian | George |
| Carol | Alice |
| Daniel | Henry |
| Emma | |
| Fiona | |

3 Select sale date
 From online sales
 Union
 Select sale date
 From store sales
 Order by: sale date Ascending

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

4 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 |
| 2025-02-08 |
| 2025-01-20 |
| 2025-03-25 |
| 2025-04-18 |
| 2025-05-05 |

5. Select customer name, amount
Case

when amount > 250
From online sales

~~Select~~ Union

Select customer name, amount
Case

when amount > 250
From store sales;

| Customer name | Amount |
|---------------|--------|
| Carol | 300 |
| George | 310 |
| Henry | 270 |

6. Select customer name, amount, sale date
From online sales

Union All

Select customer name, amount, sale date
From store sales;

| Sale Customer name | Amount | Sale date |
|-------------------------------|--------|--------------------------|
| Alice | 150 | 2025-01-12 |
| Brian | 250 | 2025-02-05 |
| Carl | 300 | 2025-03-10 |
| Daniel | 220 | 2025-04-15 |
| Emma | 180 | 2025-05-02 |
| Fiona | 200 | 2025-01-20 |
| Brian | 250 | 2025-02-05 |
| George | 310 | 2025-03-25 |
| Alice | 150 | 2025 - 04 - 1 |
| Henry | 270 | 2025-05-06 |

7. 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

| Customer name | amount | sale_date | source |
|---------------|--------|------------|--------|
| Alice | 150 | 2025-01-12 | Online |
| Brian | 250 | 2025-02-05 | Online |
| Carol | 300 | 2025-03-10 | Online |
| Daniel | 220 | 2025-04-15 | Online |
| Emma | 180 | 2025-05-02 | Online |
| Fiona | 200 | 2025-01-20 | Store |
| Brian | 250 | 2025-02-08 | Store |
| George | 310 | 2025-03-25 | Store |
| Alice | 350 | 2025-04-18 | Store |
| Henry | 270 | 2025-05-05 | Store |

9. Select sum (amount) as total amount

From (Select amount from online_sales

Union All

Select amount from store_sales) combined;

Total Amount

2250