

## Union 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
Alice
Brian
Carol
Daniel
Emma
Fiona
Brian
George
Alice
Henry

3 SELECT sale - date  
 FROM online - sales  
 ORDER BY sale - date ASC  
 UNION  
 SELECT sale - date  
 FROM store - sales  
 ORDER BY ~~store - sales~~ sales - date ASC;

sale - date	sale - date
2025 - 01 - 12	2025 - 01 - 12
2025 - 01 - 20	2025 - 02 - 05
2025 - 02 - 05	2025 - 03 - 10
2025 - 02 - 08	2025 - 04 - 15
2025 - 03 - 10	2025 - 05 - 02
2025 - 03 - 25	2025 - 01 - 20
2025 - 04 - 15	2025 - 02 - 08
2025 - 04 - 18	2025 - 03 - 25
2025 - 05 - 02	2025 - 04 - 19
2025 - 05 - 05	2025 - 05 - 05

4. SELECT sale - date  
 FROM online - sale  
 UNION ALL  
 SELECT ~~store~~ sale - date  
 FROM store - sale ;

5. SELECT customer - name,  
amount,  
~~sale - date~~

FROM online - sales

WHERE amount > 250

UNION

SELECT customer - name,  
amount

FROM store - sales

WHERE amount > 250 ;

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 ;

customer - name	amount	sale - date
Alice	150	2025 - 01 - 12
Brian	250	2025 - 02 - 05
Carol	300	2025 - 03 - 10
Daniel	220	2025 - 04 - 15
Emma	180	2025 - 05 - 02
Franci	200	2025 - 01 - 20
Brian	250	2025 - 02 - 08
George	310	2025 - 03 - 25
Alice	150	2025 - 04 - 18
Henry	270	2025 - 05 - 09

```

7. SELECT customer_name,
        amount,
        sale_date,
        'Online' AS source
FROM online_sales
UNION ALL
SELECT customer_name,
        amount,
        sale_date,
        'Store' AS source;

```

customer_name	amount	sale_date	source
Alice	150	2025-01-12	Online
Brian	250	2025-02-05	Online
Carol	300	2025-03-16	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	150	2025-04-18	Store
Henry	220	2025-05-05	Store

8. SELECT customer - name, COUNT (\*) AS occurrences  
FROM

SELECT customer - name FROM online - sales  
UNION ALL

SELECT customer - name FROM store - sales  
) AS combined

GROUP BY customer - name

HAVING COUNT (\*) > 1;

customer - name	occurrences
Alice	2
Brian	2

9. SELECT SUM (amount) AS total - count  
FROM (

SELECT amount FROM online - sales  
UNION ALL

SELECT amount FROM store - sales  
) AS combined;

Total - amount
2400

## Bonus Challenge

```
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
) AS combined
GROUP BY customer-name
ORDER BY total-spent DESC;
```

customer-name	total-spent
George	310
Carol	300
Henry	270
Brian	500
Daniel	220
Fiona	<del>180</del> 200
Emma	<del>200</del> 180
Alice	300