

## 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~~ ASC;  
~~sales\_date~~

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  
     customer  
     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
Fiona	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	270	2025-05-03	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	360
Henry	270
Brian	500
Daniel	220
Fiona	180
Emma	180
Alice	300