

## SQL Exercise UNION UNION ALL

1. Unique customer name

```
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

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

5. SELECT customer-name,

amount

FROM online-sales

WHERE amount > 250

UNION

SELECT customer-name,

amount

FROM sales-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
Gemma	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	2025-05-05

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

	300		
Carol	150	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	150	2025-04-18	store
Henry	270	2025-05-05	store

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

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-amount  
 FROM C

SELECT amount FROM online-sales  
 UNION ALL

SELECT amount FROM store-sales ) AS combined

total-amount
2300