

SQL Exercise UNION and UNION ALL

1. SELECT customer_name

FROM online_sales

UNION ~~ALL~~

SELECT customer_name

FROM store_sales

sale_id customer_name amount sale_date

Customer-name

Alice

Brian

Carol

Daniel

Emma

Fiona

Geogre

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 - 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 store_sales

WHERE amount > 250;

customer_name	amount
Carol	300
George	310

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	280	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	2025-05-05

3. SELECT sale_date
FROM online_sales
SELECT sale_date
FROM store_sales
ORDER BY sale_date ASC;

Sale_date

2025 - 01 - 12

2025 - 01 - 20

2025 - 02 - 05

2025 - 02 - 08

2025 - 03 - 10

2025 - 03 - 25

2025 - 04 - 18

2025 - 05 - 02

2025 - 05 - 05

4. SELECT sale_date
FROM online_sales
UNION ALL
SELECT sale_date
FROM store_sales
~~WHERE sale_date <~~

Sale_date

2025 - 01 - 12

2025 - 02 - 05

2025 - 03 - 10

2025 - 04 - 15

2025 - 05 - 02

2025 - 01 - 20

2025 - 02 - 08

7. SELECT customer_name, amount, sales_date, 'online' AS source
 FROM online_sales
 UNION ALL
 SELECT customer_name, amount, sales_date, 'store' AS source
 FROM store_sales;

customer_name	amount	sales_date	source
Alice	150	2025-01-12	online
Brion	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
Brion	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 (SELECT customer_name FROM online_sales
 UNION ALL

SELECT customer_name
 FROM store_sales)

AS all_customers

GROUP BY customer_name

HAVING COUNT(*) > 1;

customer_name	Occurrences
Alice	2
Brion	2

```
9. SELECT SUM(amount) AS total_amount  
FROM (  
    SELECT amount  
    FROM online_sales  
    UNION ALL  
    SELECT amount  
    FROM store_sales )  
AS all_sales;
```

Total - amount

2340