

# Exercise 7

## UNION Exercise

① SELECT ~~customer-name~~, customer-name  
FROM online-sales  
UNION  
SELECT customer-name  
FROM store-sales;

Customer-name	
Alice	Emma
Brian	Fiona
Carol	George
Daniel	Henry

② SELECT customer-name  
FROM online-sales  
UNION ALL  
SELECT customer-name  
FROM store-sales;

Customer-name	
Alice	Fiona
Brian	Brian
Carol	George
Daniel	Alice
Emma	HENRY

③ SELECT sale-date  
FROM online-sale  
UNION  
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
2025-04-15
2025-04-18
2025-05-02
2025-05-05

④ SELECT Sale\_date  
FROM Online-sale  
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
2025-01-20
2025-02-08
2025-03-25
2025-04-18
2025-05-05

⑤ SELECT customer\_name, amount  
FROM online-sale  
WHERE amount > 250  
UNION  
SELECT customer\_name, amount  
FROM Store-sales  
WHERE amount > 250;

customer_name	amount
Brian	250
Carol	300
George	310
Henry	270

⑥ SELECT customer\_name, amount, Sale\_date  
FROM online-sale  
UNION ALL  
SELECT Sale\_date, customer\_name, amount  
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	2025-05-05

⑦ SELECT customer-name, amount, sale-date, source  
 FROM online-sales  
 UNION ALL  
 SELECT customer-name, amount, sale-date, 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	2025-02-05	store
George	310	2025-03-25	store
Alice	150	2025-04-15	store
Henry	270	2025-05-05	store

⑧ SELECT customer-name, occurrences  
 FROM online\_sales

④ SELECT total amount  
SUM(amount) AS total-amount  
FROM online-sales  
UNION ALL  
SELECT total amount  
FROM store-sales;

Total amount

2280

Bonus Question