

Z

## Exercise 7 UNION & UNION ALL

Q3

```

SELECT sale_date
FROM online_sales
UNION
SELECT sale_date
FROM store_sales
ORDER BY sale_date ASC;

```

Output

Sale_date
2025-01-12
2025-01-20
2025-02-05
2025-02-08
2025-03-10
2025-03-25
2025-04-15
2025-04-18
2025-05-02
2025-05-05

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

Q4

```

SELECT sale_date
FROM online_sales
UNION ALL
SELECT sale_date
FROM store_sales;

```

Output

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

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

Q1

Table : Online\_sales

AND

Table : Store\_sales

```

SELECT customer_name
FROM online_sales

```

UNION

```

SELECT customer_name
FROM store_sales;

```

Output

Customer\_name

Alice

Brian

Carol

Daniel

Fiona

George

Henry

Q2

```

SELECT customer_name
FROM online_sales
UNION ALL

```

```

SELECT customer_name
FROM store_sales;

```

Output

Customer\_name

Alice

Brian

Carol

Daniel

Emma

Fiona

Brian

George

Alice

Henry

Q7

```

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;
    
```

Outputs

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	2025-02-08	Store
George	310	2025-03-25	Store
Alice	150	2025-04-18	Store
Henry	270	2025-05-05	Store

Q8

```

SELECT customer_name,
       amount
  FROM Online_Sales
 WHERE amount > 250
UNION
SELECT customer_name,
       amount
  FROM Store_Sales
 WHERE amount > 250;
    
```

Output

Customer-name	amount
Carol	300
George	310
Henry	270

Q6 ~~SELECT \*  
FROM~~

Q8

```

SELECT customer_name,
       count(customer_name) AS Occurrence
  FROM (
    SELECT customer_name
      FROM online_sales
UNION ALL
    SELECT customer_name
      FROM store_sales
  )
 ) AS all_customer_name
 GROUP BY customer_name
 HAVING count(customer_name) > 1
    
```

~~SELECT customer\_name,  
amount,  
Sale-date  
FROM Online\_Sales  
UNION ALL~~

~~SELECT customer\_name,  
amount,  
Sale-date  
FROM Store\_Sales;~~

) AS all\_customer\_name

GROUP BY customer\_name  
HAVING count(customer\_name) > 1

Output

Customer-name	Occurrences
Alice	2
Brian	2

Output

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

Q9 ~~SELECT SUM(amount) AS .~~

SELECT sum(amount) AS total\_amount  
FROM ( SELECT amount  
FROM online\_sales  
UNION ALL  
SELECT amount  
FROM store\_sales  
) AS all\_sales;

Output

Total_amount
2350