

Exercise 7: UNION and UNION ALL

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Exercise 7

Question 1

```
SELECT customer_name  
FROM online_sales  
  
UNION  
  
SELECT customer_name  
FROM store_sales;
```

customer_name
Alice
Brian
Carol
Daniel
Emma
Fiona
George
Henry

Question 2

```
SELECT customer_name  
FROM online_sales  
  
UNION ALL  
  
SELECT customer_name  
FROM store_sales;
```

customer_name
Alice
Brian
Carol
Daniel
Emma
Fiona
George
Alice
Henry

Question 3

```
SELECT sale_date  
FROM online_sales  
  
UNION  
  
SELECT sale_date  
FROM store_sales;
```

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

Question 4

SELECT Sale_date

FROM online_sales

UNION ALL

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

2025-04-15

2025-04-18

2025-05-02

2025-05-05

Question 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

Henry 270

Question 6

SELECT Customer_name,
amount,
Sale_date

FROM online_sales

UNION ALL

SELECT Customer_name,
amount,
Sale_date

FROM Store_sales

ORDER BY sale_date ASC;

Customer_name amount Sale_date

Alice 150 2025-01-

Fiona 200 2025-01-

Bruce 250 2025-02-

Bruce 250 2025-02-

Carol 300 2025-03-

George 310 2025-03-

Daniel 220 2025-04

Alice 150 2025-04

Emma 180 2025-05-

Question 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
ORDER BY sale_date ASC;
```

Customer_name	amount	Sale_date	Source
Alice	150	2025-01-12	Online
Fiona	200	2025-01-20	Store
Brian	250	2025-02-05	Online
Brian	250	2025-02-08	Store
Carol	300	2025-03-10	Online
George	310	2025-03-25	Store
Daniel	220	2025-04-15	Online
Alice	150	2025-04-18	Store
Emma	180	2025-05-02	Online
Henry	270	2025-05-05	Store

Question 8

```
SELECT customer_name, COUNT(*) AS occurrences
FROM online_sales
UNION ALL
```

```
SELECT customer_name, COUNT(*) AS occurrences
FROM store_sales
```

```
GROUP BY customer_name
HAVING COUNT(*) > 1
```

Customer_name	Occurrences
Alice	2
Brian	2

Question 9

```
SELECT SUM(amount) AS total_amount
```

```
FROM online_store
```

```
UNION ALL
```

```
SELECT SUM(amount) AS total_amount
```

```
FROM store_sales;
```

total_amount
2330