

Exercise 7: Union And Union All.

1. Unique Customer Names

Select customer_name
From Online_Sales

Union

Select customer_name
From Store_Sales

Customer Name

Alice

Brian

Cerol

Daniel

Emma

Fion

George

Henry

Exercise 7: SQL Union And Union All

1 unique customer names

```
Select customer_name  
from Online_sales  
Union
```

```
Select customer_name  
From Store_sales;
```

customer_name
Alice
Brian
Carol
Daniel
Emma
Fiona
George
Henry

2 All customers

```
Select customer_name  
From online_sales
```

Union All

```
Select customer_name  
From store_sales;
```

customer_name
Alice
Brian
Carol
Daniel
Emma
Fiona
Brian
George
Alice
Henry

3. Unique Sales date

```
Select sale_date  
From online_sales  
Union
```

```
Select sale_date  
From store_sales  
Order by sale_date Asc;
```

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

4 All sale date

```
Select sale_date  
From online_sales  
Union All
```

```
Select sale_date  
From store_sales;
```

Sale_date
2025-01-02
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. High-value customers

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. Combined Sales Data

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	2025-01-10
Bria	250	2025-02-05
Carol	300	2025-03-10
Daniel	220	2025-04-15
EMMA	180	2025-05-02
Fiona	200	2025-06-20
Brian	250	2025-07-08
George	310	2025-08-25
Alice	150	2025-09-18
Henry	270	2025-10-05

7. Add sales source label

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	sale_date	source
Alice	150	2023-01-12	online
Briul	250	2023-02-05	online
Carol	300	2023-03-10	online
Daniel	220	2023-04-15	online
Emma	180	2023-05-02	online
Fiona	200	2023-01-20	store
Brian	250	2023-02-08	store
George	310	2023-03-21	store
Alice	150	2023-04-18	store
Henry	280	2023-05-05	store

8. Customer appearing in both tables

Select customer_name, count(*) AS occurrence
From online_sales

Union All

Select customer_name, count(*) AS occurrence
From store_sales

Group by customer_name
Having count(*) > 1;

Customer_name	Occurrences
Alice	2
Briam	2

q Total-Combined Sales

Select sum(Amount) AS total_amount
 From Online_sales

union All

Select sum(PAmount) AS total_amount
 From Store_sales

total - amount
2280

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Select customer_name, sum(amount) AS total_spent
FROM online_sales

union ALL

Select customer_name, sum(amount) AS total_spent
FROM store_sales
Group by customer_name
Order by total_spent DESC;

customer_name	total_spent
George	310
Brian	500
Carol	300
Henry	270
Daniel	220
Fiona	200
Alice	300
EMMA	180