

UNIONIS AND UNION ALL EXCERPTS. VINOLIAH
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Table: online_Sales

Sale_Id	Customer_name	Amount	Sales_date
1	Alice	150	2025-01-12
2	Brian	250	2025-02-05
3	Caro	300	2025-03-10
4	Daniel	220	2025-04-15
5	Emma	180	2025-05-02

Table: Store_Sales

Sale_Id	Customer_name	amount	Sales_date
1	Fiona	200	2025-01-20
2	Brian	280	2025-02-08
3	George	310	2025-03-25
4	Alice	150	2025-04-18
5	Henry	270	2025-05-05

* Checking tables, column or table dataset.

```
SELECT * FROM "online_db"."public"."onlinesales"  
LIMIT 5;
```

```
SELECT * FROM "online_db"."public"."storesales"  
LIMIT 5;
```

Q1. List all Unique Customer names from both tables using UNION.

SELECT
customer-name

From "online-db"."public"."onlinesales"
UNION

SELECT
customer-name

from "online-db"."public"."storesales"

ORDER By customer-name;

Customer-Name
Alice
Braim
Caro
Daniel
Emma
Fiona
George
Henry

Q2. List all customers name from both tables using UNION ALL.

```
SELECT customer_name  
FROM "online-db"."public".Onlinesales  
UNION ALL
```

```
FROM online-db-public.Storesales;
```

Customer_name
Alice
Brain
Carol
Daniel
Emma
Fiona
Brain
George
Mice
Henry

N.B.: UNION ALL
(include duplicates)

Q3. Show all unique sale date from both tables in ascending order.

SELECT Sale_date

FROM Online_db.Publiz.OnlineSales
UNION

SELECT Sale_date

FROM Online_db.Public.stonesales

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

Q4. List all sale dates (with duplicates) using UNION ALL.

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

~~Q5. combine all records from both Table~~

Q5. Combine both tables and list unique customers who made purchase greater than 250.

SELECT

customer_name,
amount

FROM online_db. pub12. onlinesales
WHERE &
amount > 250

UNION

SELECT customer_name,
amount

FROM online_db. pub12. storesales
WHERE amount > 250;

Customer_name	Amount
Caro 1	300
George	310
Henry	270

Q6. Combine all records from both tables using UNION ALL.

SELECT

customer_name,
amount,
Sale_date

FROM online_db..public.onlinesales

UNION ALL

SELECT

customer_name,
amount,
Sales_date

FROM onlinedb..public.storesales;

Customer_name	Amount	Sale s date
Alice	150	2025-01-12
Brain	250	2025-02-05
Carol	300	2025-03-10
Daniel	220	2025-03-15
Emma	180	2025-04-02
Fiona	200	2025-04-20
Brain	280	2025-02-08
George	310	2025-03-25
Alice	150	2025-04-18
Henry	270	2025-05-05

Q7. Combine both tables, but ~~but~~ include a new column 'Source' that indicates whether the sale was made online or store.

```
SELECT customer_name,  
       amount,  
       Sales_date, 'online' AS source  
FROM online-db. publiz. onlinesales  
UNION ALL
```

```
SELECT customer_name,  
       amount,  
       Sales_date, 'store' AS source  
FROM online-db. publiz. storesales;
```

customer_name	amount	Sale_date	Source
Alice	150	2025-01-12	online
Bram	280	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
Mice	150	2025-04-18	store
Henry	270	2025-05-05	store

Q8. Find all customers who appear in both online_sales and store_sales (use UNION ALL, GROUP BY, and Having)

```
SELECT
    customer_name,
    COUNT(*) AS occurrences
FROM (
    SELECT
        customer_name
    FROM online-db.public.online_sales
    UNION ALL
    SELECT
        customer_name
    FROM online-db.public.store_sales ) AS combined
GROUP BY customer_name
Having COUNT(*) > 1;
```

Customer_name	Occurrences
Hilie	2
Brian	2

Q9. Combine both tables using UNION ALL and calculate the total sales amount across both.

SELECT SUM(Cam_out) AS Total_Amount.

From

(SELECT amount

From online_db_pub1c.onlineSales

UNION ALL

SELECT amount

From online_db_pub1z.sales) AS

Total Amount

2280

Combine sales;

Create a single query that is lists each customer's total combined amount from both tables (sum of all their purchases) As total_spent

~~SELECT customer_name,
amount~~

~~FROM online_db.public.onlinesales
UNION ALL~~

~~SELECT customer_name,
amount~~

~~FROM outlet_db.public.storesales~~

~~SELECT customer_name, SUM(amount) AS total_spent
FROM (~~

~~SELECT customer_name, amount
FROM online_db.public.onlinesales
UNION ALL~~

~~SELECT customer_name, amount
FROM outlet_db.public.storesales) AS combined_sales~~

~~Group By customer_name~~

~~ORDER By total_spent DESC;~~

Total_amount

2280