Exercise 7 (Union and union ALL)

Q1

```
SELECT   customer_name
FROM     online_sales
union
SELECT   customer_name
FROM     store_sales ;
```

Output

Customer_name
Alice
Brian
Carol
Daniel
Emma
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

Q3

```
SELECT Sales_date
FROM online_sales
union
SELECT sales_date
FROM store_sales
ORDER BY sales_date ASC;
```

output

Sales_date
2025-01-12
2025-01-20
2025-02-05
2025-02-08
2025-03-10
2025-03-28
2025-04-15
2025-04-18
2025-05-02

Q-4

```sql
SELECT Sale_date
FROM online_sales
UNION ALL
SELECT sale_date
FROM store_sales;
```

Output

Sale_date
2025-01-12
2025-02-03
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

```sql
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

Qb

SELECT customer_name, amount, sale_date
From online_sales
Union All
SELECT customer_name, amount, sale_date
From Store_sales

Output

customer_name	amount	sales_date
Alice	150	2022-01-12
Brian	280	2025-02-21
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

Q7

```sql
SELECT customer_name, amount, sales_date
From online_sales
UNION ALL
SELECT customer_name, amount, sales_date
From store_sales;
```

Output

Customer	amount	Sale_date
Alice	150	2023-01-12
Brian	250	2023-02-05
Carol	300	2023-03-10
Daniel	220	2023-04-15
Emma	180	2023-05-02
Fiona	200	2023-01-20
Brian	280	2023-02-08
George	310	2023-03-22
Alice	150	2023-04-18
Henry	270	2023-05-05

Q8

```sql
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 occurrences > 1;
```

Output

customer_name	occurrences
Alice	2
Brian	2

Q-9

```sql
SELECT sum(amount) AS total_amount
FROM online_sales
UNION ALL
SELECT sum(amount) AS total_amount
FROM store_sales;
```

Output

total_amount
2280

Bonus Question

```
SELECT customer_name, Sum(amount) As total_Spent
From online_sales
UNION ALL
SELECT customer_name, Sum(amount) AS total_spent
From store_sales ;
```

output

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