SQL Exercise: union and union all

Question one

```
select customer_name from online_sales
union
select customer_name from store_sales
```

customer_name

Alice
Brian
Carol
Daniel
Emma
fiona
George
Henry

Question two

```
select customer_name from online_sales
union all
select customer_name from store_sales
```

Alt Customer_name	
Alice	Brain
Brian	George
Carol	Alice
Daniel	Henry
Emma	
fiona	

Question 3

select sale_date from online_sales
union
select sale_date from store_sales

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

Question 4
select sale_date from online_sales
union all
select sale_date from store_sales

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

Question 5

```
Select customer_name, amount from
online_sales
union
5
Select customer_name, amount from online_sales
where    amount > 500 250
union
Select customer_name, amount from store
sales
where amount > 500 250,
```

Customer_name	amount
Alice	
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
```

Customer_name	amount	sale_date
Alice	150	2025-01-12
Brian	280	2025-02-05
Carol	300	2025-03-10
Daniel	220	2025-04-15
Emma	180	2025-05-02
Fiona	200	2025-01-20
Brian	280	2025-02-08
Alice	150	2025-04-18
Henry	270	2025-05-05
George	310	2025-03-25

Question 7

```
select  Customer_name, amount, sale_date,
         source from online_sales
    union ALL
select customer_name, amount, sale_date,
         source from store_sales
```

Customer_name	amount	sale_date	Source
Alice	150	2025-01-12	online
Brain	200	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
Brain	250	2025-02-08	store
George	290	2025-03-25	store
Alice	175	2025-04-18	store
Hengry	270	2025-05-10	store

Question 8

```sql
Select * from online_sale
union ALL
select * from store_sales


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;
```

Customername	occurrences
Alice	2
Brian	2

Question 9

```sql
select
Sum (amount) As total_amout
from (
    Select amount from online_sales
    union ALL
    Select amount from store_sales
) AS combined_Sales;
```

total_amount
2235