

## Exercise 7 : UNION and UNION ALL

### 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

Customer-name
Alice
Briana
Carol
Daniel
EMMA
fiona

Brian
George
Alice
Henry

### Question 3

```
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 - 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  
online-sales ;
```

#### 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

#### Question 5

```
SELECT customer-name,  
amount
```

```
FROM online-sales
```

```
UNION
```

```
SELECT customer-name,  
amount
```

```
FROM store-sales
```

### Question 5

```
SELECT customer-name,  
       amount  
FROM online-sales  
WHERE amount > 250  
UNION  
SELECT customer-name,  
       amount  
FROM store-sales-sales  
WHERE amount > 250;
```

customer-name	amount
Carol	300
George	310

### Question 6

```
SELECT customer-name,  
       amount,  
       sale-date  
FROM online-sale  
UNION ALL  
SELECT customer-name,  
       amount,  
       sale-date  
FROM store-sales;
```

Customer-name	amount	sale-date
Alice	150	2025-01-12
Brian	250	2025-02-05
Carol	300	2025-03-10
Daniel	220	2025-04-15
Emma	180	2025-05-02
Fiona	200	2025-01-20
Brian	200	2025-02-08
George	310	2025-03-25
Alice	150	2025-04-18
Henry	270	2025-05-05

### Question 2

### Questions

```
SELECT customer-name,
       COUNT(*) AS occurrences
  FROM online-sales
```

UNION ALL

```
SELECT customer-name,
  FROM storesales
 GROUP BY customer-name
 HAVING COUNT(*) > 1;
```

Customer-name	Occurrences
Brian	2
Alice	2

### Question 9

```
SELECT SUM(amount) AS total_amount  
FROM online-sales  
UNION ALL  
SELECT amount  
FROM store-sales;
```

total_amount
2,280

### Bonus challenge

```
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;
```

Customer-name	total-spent
Alice	300
Brian	500
Carol	300
Daniel	220
Emma	180
fiona	200
George	310
Henry	270