Exercise 7 Belinda Thando Mhlanga
UNLONS

Q1

```
SELECT customer_name
FROM   online_sales
UNION
SELECT customer_name
FROM   store_sales;
```

outcome.

customer_name
Alice
Brian
Carol
Daniel
Emma
Fiona
George
Henry

Question 2

```
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

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_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
WHERE amount > 250
UNION
SELECT customer_name, amount
FROM store_sales
WHERE amount > 250;
```

customer_name	amount
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	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	250	2025-02-08
George	310	2025-03-25
Alice	150	2025-04-18
Henry	270	2025-05-05

Question 7

```
SELECT customer_name, amount, sale_date, 'Online' AS source
FROM online-sales
UNION ALL
SELECT customer_name, amount, sale_date, 'Store' AS source
FROM store-sale;
```

customer_name	amount	sale_date	source
Alice	150	2025-01-12	Online
Brian	250	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
Alice	150	2025-04-18	Store
Henry	270	2025-05-05	Store

Question 8   ** Ask.

```
SELECT customer_name,
       COUNT * AS occurrences
FROM ( SELECT customer_name
       FROM oline sales
       UNION ALL
       SELECT customer_name
       FROM store_sales ) AS combined-sales

GROUP BY customer_name
HAVING COUNT(*) > 1;
```

customer_name	occurances
Alice	2
Brian	2

Question

```sql
SELECT SUM (amount) AS total_amount
FROM ('SELECT amount
        FROM online_sales
        UNION ALL
        SELECT amount
        FROM store_sales ) AS combined;
```

total_amount
2280

Bonus Question

```sql
SELECT customer_name,
        SUM (amount) AS total_spent

FROM (SELECT customer_name, amount
        FROM online_classes
        UNION ALL
        SELECT customer_name, amount
        FROM store_sales) AS combined
GROUP BY customer_name;
```

customer_name	total_spent
Alice	300
Brian	500
Carol	300
Daniel	220
Emma	150
Fiona	200
George	310
Henry	270