

Exercise 7.1

① `SELECT customer-name
from online-sales
UNION
. SELECT customer-name
from store-sales;`

Customer-name

Alice

Brian

Carol

Daniel

Emma

Fiona

George

Henry

② `SELECT customer-name
from online-sales
UNION ALL
. SELECT customer-name
from store-sales;`

Customer-name

Alice

Fiona

Brian

Brian

Carol

George

Daniel

Alice

Emma

Henry.

```

SELECT sale-date
FROM online-sales
UNION
SELECT sale-date
FROM store-sales
ORDER BY sale-date

```

sale-date

2025-01-20
2025-02-05
2025-03-10
2025-03-25
2025-04-15
2025-05-01
2025-05-05
2025-05-10
2025-05-20
2025-06-01
2025-06-15
2025-07-01
2025-07-20
2025-08-01
2025-08-15
2025-09-01
2025-09-20
2025-10-05
2025-10-20
2025-11-01
2025-11-15
2025-12-01
2025-12-20

⑥ SELECT DISTINCT customer-name,
amount

FROM (SELECT customer-name,
amount
FROM online-sales
UNION ALL
SELECT customer-name,
amount
FROM store-sales) AS combined-sales

AS ← HAVING amount > 250;

amount
from store-sales) AS combined-sales
from online-sales
AS ← HAVING amount > 250;

Customer Name	Combined Sales
Brian	£250
Carol	£300
Brian	£250
George	£310
Henry	£270

⑦ SELECT customer-name,
amount

FROM (SELECT customer-name,
amount
SALE_DATE
FROM online-sales

FROM (SELECT customer-name,
amount
SALE_DATE
FROM store-sales) AS combined-sales

UNION ALL
SELECT customer-name,
amount
SALE_DATE
FROM online-sales

from store-sales) AS combined-sales

Customer name	amount	sale_date
Alice	R 150	2025-01-12
Brian	R 250	2025-02-05
Carol	R 300	2025-02-10
Daniel		
Emma	200	2025-04-15
Fiona	180	2025-02-02
Brian	200	2025-01-25
George	250	2025-03-22
Alice	310	2025-02-09
Harry	150	2025-04-18
	270	2025-03-07

① **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_sales

Customer-name	Amount	Sale-date	Source
Alice	R 150	2025-01-12	Online
Alice	R 150	2025-04-18	Store
Brian	250	2025-02-05	Online
Brian	250	2025-02-08	Store
Carol	300	2025-03-10	Online
Daniel	220	2025-04-15	Online

<u>Customer-name</u>	<u>Amount</u>	<u>Sale_date</u>	<u>Source</u>
Fiona	200	2025-01-20	Store
George	310	2025-03-25	Store
Henry	270	2025-05-05	Store

⑧ `SELECT customer-name,
COUNT (*) AS occurrences
FROM (SELECT customer-name
from online-sales
UNION ALL`

`SELECT customer-name
from store-sales) AS combined-sales
GROUP BY customer-name
HAVING COUNT(*) > 1;`

<u>Customer-name</u>	<u>Occurrence</u>
Alice	2
Brian	2