

Name: Min Thant Hein  
ID: PIUS20230001

### Question 1

List each customer's total spending for orders with status 'PAID' or 'SHIPPED'.

Show the following columns:

customer\_id, full\_name, total\_amount (sum of quantity × unit\_price\_at\_order).

The screenshot shows a database interface with a query editor and a data output viewer.

**Query History:**

```
-- Question1
SELECT c.customer_id, c.full_name,
       SUM(oi.quantity * oi.unit_price_at_order) AS total_amount
FROM Customer c
JOIN "Order" o ON c.customer_id = o.customer_id
JOIN OrderItem oi ON o.order_id = oi.order_id
WHERE o.order_status IN ('PAID', 'SHIPPED')
GROUP BY c.customer_id, c.full_name;

-- Question2
```

**Data Output:**

	customer_id [PK] integer	full_name character varying (100)	total_amount numeric
1	1	Alice Tan	1120.00
2	3	Maya Wong	1190.00

#

## Question 2

Find all orders that contain more than one distinct product.

Show columns: order\_id, distinct\_products.

```
7 WHERE o.order_status IN ('PAID', 'SHIPPED')
8 GROUP BY c.customer_id, c.full_name;
9
10 -- Question2
11 SELECT o.order_id, COUNT(DISTINCT oi.product_id) AS distinct_products
12 FROM "Order" o
13 JOIN OrderItem oi ON o.order_id = oi.order_id
14 GROUP BY o.order_id
15 HAVING COUNT(DISTINCT oi.product_id) > 1;
```

Data Output Messages Notifications

Showing rows: 1 to 2

	order_id [PK] integer	distinct_products bigint
1	1001	2
2	1003	2

#

## Question 3

List all products that are currently ACTIVE and have stock\_qty greater than 10.

```
16
17 -- Question3
18 SELECT product_id, name, stock_qty
19 FROM Product
20 WHERE status = 'ACTIVE' AND stock_qty > 10;
```

Data Output Messages Notifications

	product_id [PK] integer	name character varying (200)	stock_qty integer
1	101	Python for Beginners	25
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#### Question 4

Find the total number of orders placed by each customer.

```
21
22  -- Question4
23  SELECT c.customer_id, c.full_name, COUNT(o.order_id) AS total_orders
24  FROM Customer c
25  LEFT JOIN "Order" o ON c.customer_id = o.customer_id
26  GROUP BY c.customer_id, c.full_name;
```

Data Output Messages Notifications

Showing re

#	customer_id [PK] integer	full_name character varying (100)	total_orders bigint
1	3	Maya Wong	1
2	2	David Lee	1
3	1	Alice Tan	1

#

