

1. SELECT *,
 (SELECT customer_id FROM orders WHERE orders.id = order_details.order_id) as
 customer_id
 FROM order_details;
2. SELECT *
 FROM order_details
 WHERE order_id IN (
 SELECT id
 FROM orders
 WHERE shipper_id = 3
);
3. SELECT order_id, ROUND(AVG(quantity), 1) AS average_quantity
 FROM (SELECT *
 FROM order_details
 WHERE quantity > 10
) AS filtered_orders
 GROUP BY order_id;
4. WITH TemporalType AS (
 SELECT order_id, quantity
 FROM order_details
 WHERE quantity > 10
)
 SELECT order_id, ROUND(AVG(quantity), 1) AS average_quantity
 FROM TemporalType
 GROUP BY order_id;
5. DROP FUNCTION IF EXISTS divisionFunc;


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DELIMITER //
CREATE FUNCTION divisionFunc(num1 float, num2 float)
RETURNS float
NO SQL
BEGIN
DECLARE res float;
SET res = num1 / num2;
RETURN res;
END //
DELIMITER ;

WITH TemporalType AS (
SELECT order_id,
       COUNT(order_id) AS products_in_order,
       AVG(quantity) AS average_product_quantity_in_order
FROM order_details
GROUP BY order_id
)
SELECT order_id, mydb.divisionFunc(average_product_quantity_in_order, products_in_order)
AS avg_to_quantity_ratio
FROM TemporalType;

```