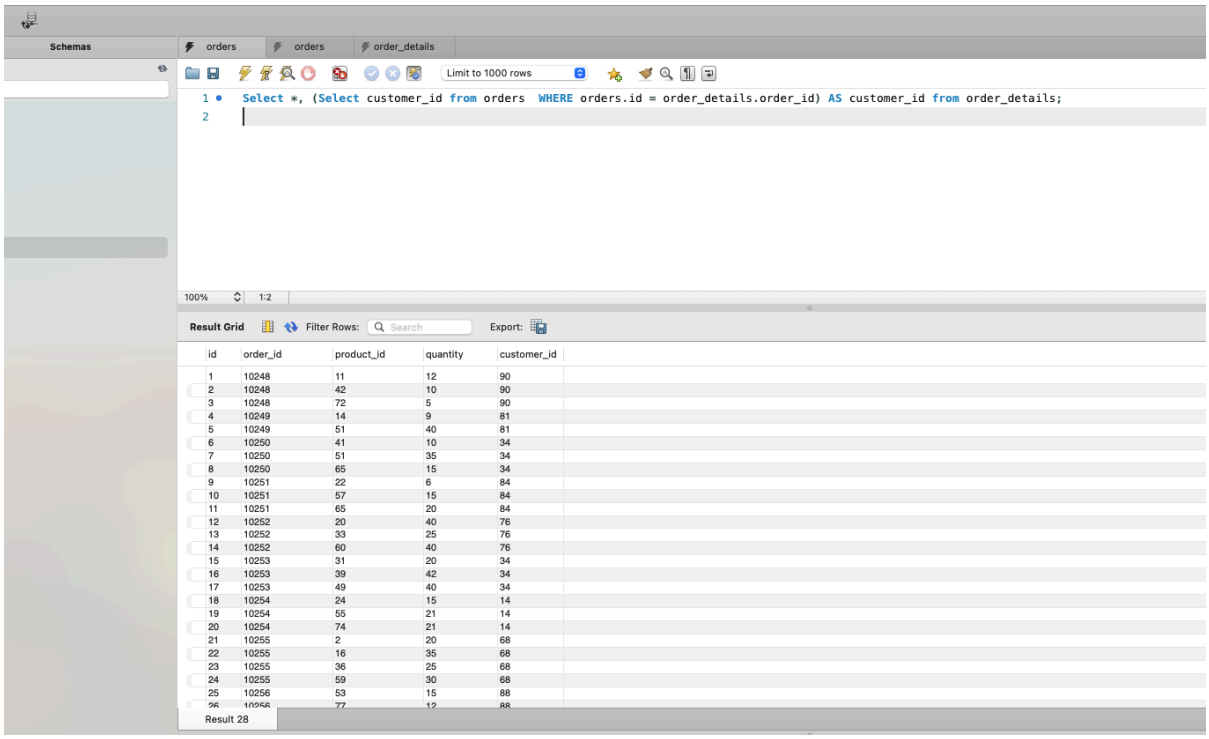
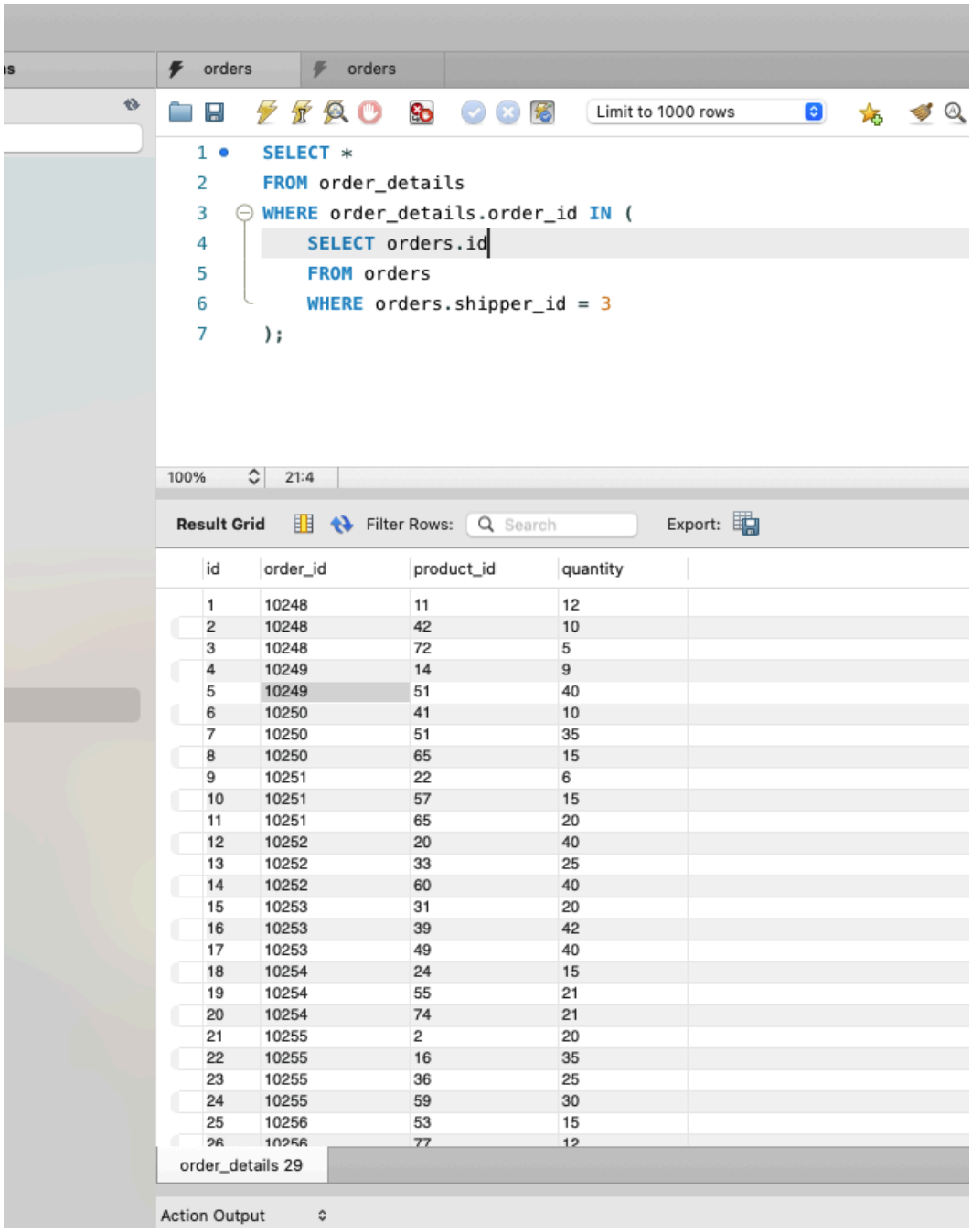
1. Select *, (Select customer_id from orders WHERE orders.id = order_details.order_id) AS customer_id from order_details;



2.

```
SELECT *
FROM order_details
WHERE order_details.order_id IN (
   SELECT orders.id
   FROM orders
   WHERE orders.shipper_id = 3
);
```



3.

SELECT order_id, avg(quantity) as average_quantity

FROM (

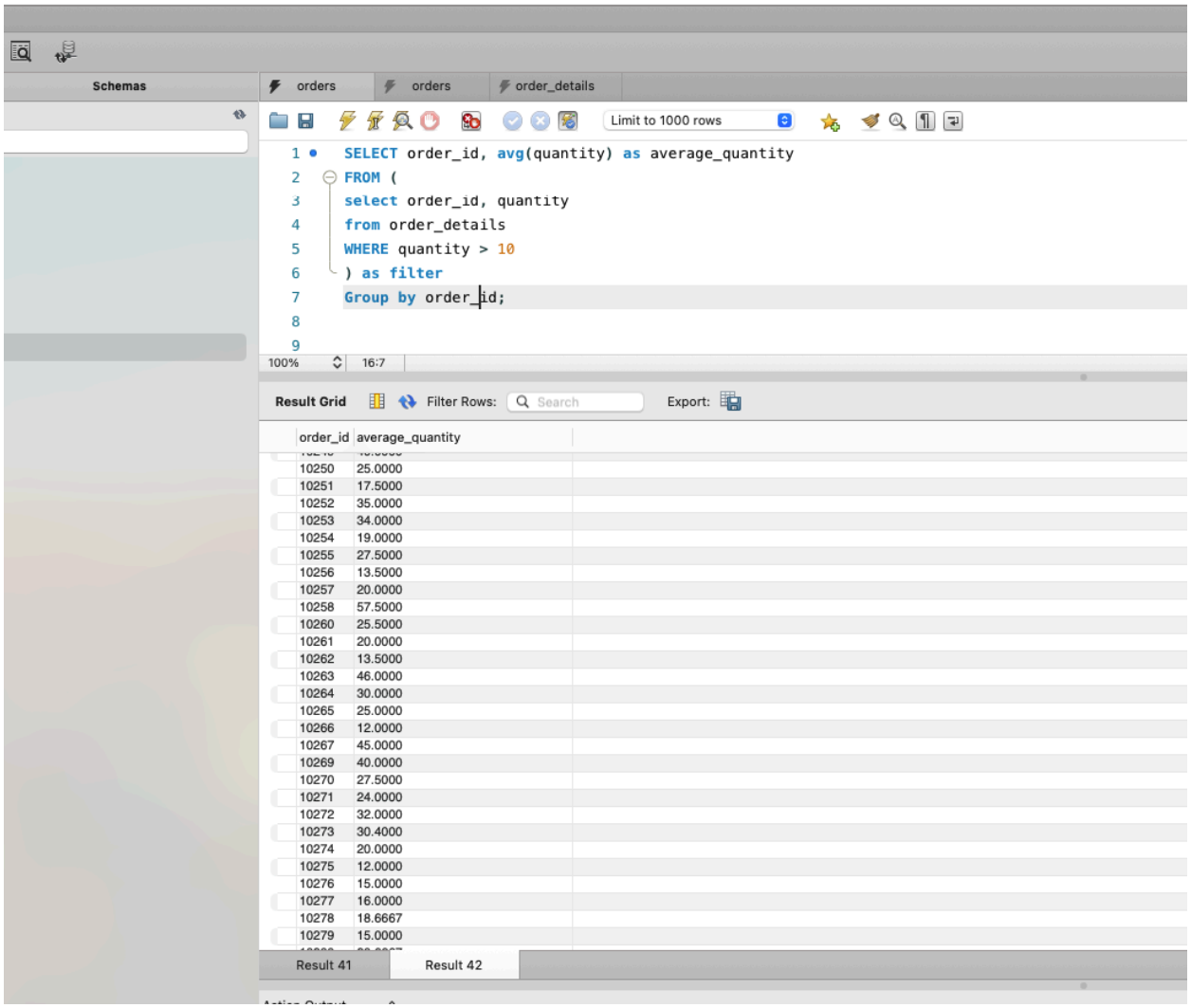
select order_id, quantity

from order_details

WHERE quantity > 10

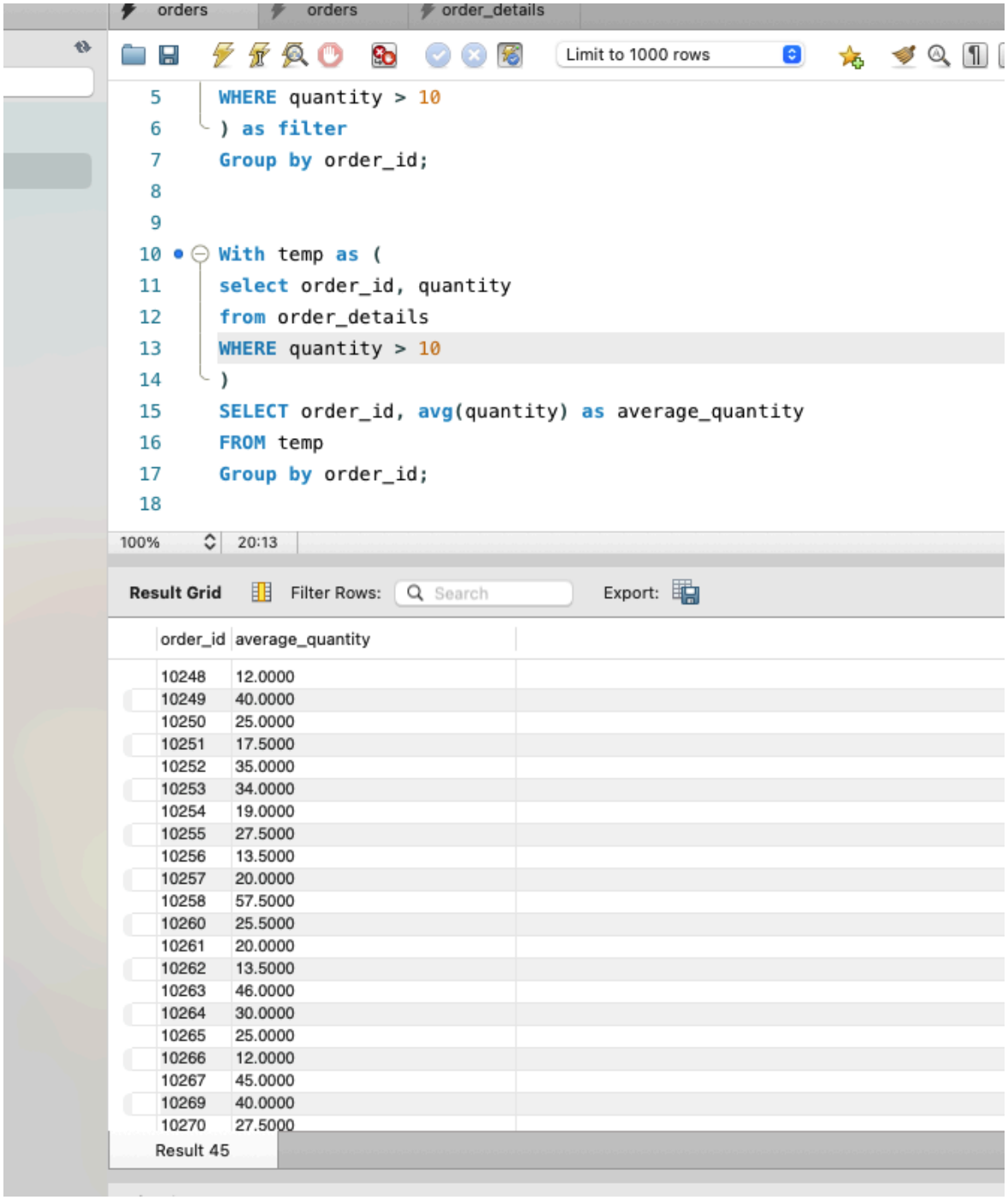
) as filter

Group by order_id;



4.

With temp as (
select order_id, quantity
from order_details
WHERE quantity > 10
)
SELECT order_id, avg(quantity) as average_quantity
FROM temp
Group by order_id;



5.

DROP FUNCTION IF EXISTS divide_numbers;

DELIMITER //

CREATE FUNCTION divide_numbers(x FLOAT, y FLOAT) RETURNS FLOAT

```
no sql
BEGIN
    DECLARE result FLOAT;
    IF y = 0 THEN
        RETURN NULL;
    ELSE
        SET result = x / y;
        RETURN result;
    END IF;
END//
```

```
SELECT order_id, quantity, divide_numbers(quantity, 2) AS divided_quantity
FROM order_details
DELIMITER;
```