**1.**

USE mydb;

SELECT \*, (SELECT customer\_id FROM orders o WHERE o. id = od.order\_id) AS customer\_id

FROM order\_details od;

**2**.

USE mydb;

SELECT \* FROM order\_details od

WHERE (SELECT shipper\_id FROM orders o WHERE o.id = od.order\_id) = 3;

**3.**

USE mydb;

SELECT order\_id, AVG(quantity) AS average\_quantity FROM (SELECT \* FROM order\_details WHERE quantity > 10) AS temp\_table

GROUP BY order\_id;

**4.**

USE mydb;

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.**

USE mydb;

DROP FUNCTION IF EXISTS divide\_floats;

DELIMITER //

CREATE FUNCTION divide\_floats(num1 FLOAT, num2 FLOAT) RETURNS FLOAT DETERMINISTIC

BEGIN

RETURN numl / num2;

END //

DELIMITER :

SELECT order\_id, divide\_floats(quantity, 2) AS half\_quantity FROM order\_details;