

Task 3.

hw2
hw3
Tables
authors
books
borrowed_books
categories
customers
employees
genres
order_details
orders
products
shippers
suppliers
users
Views
Stored Procedures
Functions
library_management
new_schema1
sys

```

168 • SELECT
169     subquery.order_id,
170     AVG(subquery.quantity) AS average_quantity
171 FROM (
172     SELECT order_id, quantity
173     FROM order_details
174     WHERE quantity > 10
175 ) AS subquery
176 GROUP BY subquery.order_id;
177
178 -- Task 4
179 • WITH temp AS (
180     SELECT order_id, quantity
181     FROM order_details
182     WHERE quantity > 10
183 )

```

Result Grid

order_id	average_quantity
10248	12.0000
10249	40.0000
10250	25.0000
10251	17.5000
10252	35.0000
10253	34.0000
10254	19.0000
10255	27.5000
10256	13.5000
10257	20.0000
10258	57.5000
10260	25.5000
10261	20.0000
10262	13.5000
10263	46.0000
10264	30.0000
10265	25.0000
10266	12.0000
10267	45.0000
10269	40.0000
10270	27.5000
10271	24.0000

Output

Action Output

#	Time	Action	Message
1	18:41:57	WITH temp AS (SELECT order_id, quantity FROM order_details WHERE quantity > 10)	Error Code 1064. You have an
2	18:44:05	WITH temp AS (SELECT order_id, quantity FROM order_details WHERE quantity > 10) SELECT temp.order_id, AVG(temp.quantity) AS a...	175 row(s) returned
3	18:50:56	SELECT order_details.*, (SELECT customer_id FROM orders WHERE orders.id = order_details.order_id) AS customer_id FROM order_details ...	518 row(s) returned
4	19:16:33	SELECT * FROM order_details WHERE order_id IN (SELECT id FROM orders WHERE shipper_id = 3) LIMIT 0, 1000	181 row(s) returned
5	19:17:35	SELECT subquery.order_id, AVG(subquery.quantity) AS average_quantity FROM (SELECT order_id, quantity FROM order_details WHERE q...	175 row(s) returned

Administration Schemas
Information
No object selected
Session

Task 4.

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```

177
178 -- Task 4
179 • WITH temp AS (
180     SELECT order_id, quantity
181     FROM order_details
182     WHERE quantity > 10
183 )
184 SELECT
185     temp.order_id,
186     AVG(temp.quantity) AS average_quantity
187 FROM temp
188 GROUP BY temp.order_id;
189
190 -- Task 5
191 • DROP FUNCTION IF EXISTS divide_numbers;
192

```

Result Grid

order_id	average_quantity
10248	12.0000
10249	40.0000
10250	25.0000
10251	17.5000
10252	35.0000
10253	34.0000
10254	19.0000
10255	27.5000
10256	13.5000
10257	20.0000
10258	57.5000
10260	25.5000
10261	20.0000
10262	13.5000
10263	46.0000
10264	30.0000
10265	25.0000
10266	12.0000
10267	45.0000
10269	40.0000
10270	27.5000
10271	24.0000

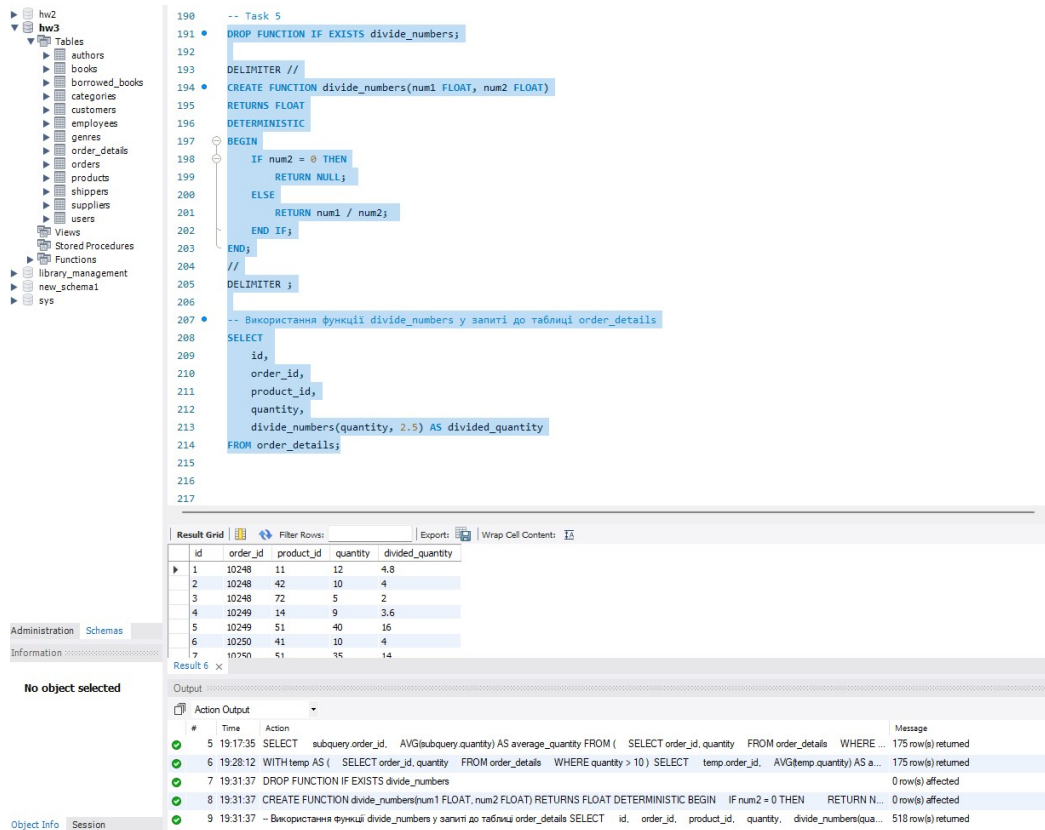
Output

Action Output

#	Time	Action	Message
2	18:44:05	WITH temp AS (SELECT order_id, quantity FROM order_details WHERE quantity > 10) SELECT temp.order_id, AVG(temp.quantity) AS a...	175 row(s) returned
3	18:50:56	SELECT order_details.*, (SELECT customer_id FROM orders WHERE orders.id = order_details.order_id) AS customer_id FROM order_detail...	518 row(s) returned
4	19:16:33	SELECT * FROM order_details WHERE order_id IN (SELECT id FROM orders WHERE shipper_id = 3) LIMIT 0, 1000	181 row(s) returned
5	19:17:35	SELECT subquery.order_id, AVG(subquery.quantity) AS average_quantity FROM (SELECT order_id, quantity FROM order_details WHERE q...	175 row(s) returned
6	19:28:12	WITH temp AS (SELECT order_id, quantity FROM order_details WHERE quantity > 10) SELECT temp.order_id, AVG(temp.quantity) AS a...	175 row(s) returned

Administration Schemas
Information
No object selected
Session

Task 5.



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```
190 -- Task 5
191 DROP FUNCTION IF EXISTS divide_numbers;
192
193 DELIMITER //
194 CREATE FUNCTION divide_numbers(num1 FLOAT, num2 FLOAT)
195 RETURNS FLOAT
196 DETERMINISTIC
197 BEGIN
198 IF num2 = 0 THEN
199 RETURN NULL;
200 ELSE
201 RETURN num1 / num2;
202 END IF;
203 END;
204 //
205 DELIMITER ;
206
207 -- Використання функції divide_numbers у запиті до таблиці order_details
208 SELECT
209 id,
210 order_id,
211 product_id,
212 quantity,
213 divide_numbers(quantity, 2.5) AS divided_quantity
214 FROM order_details;
215
216
217
```

Result Grid

	id	order_id	product_id	quantity	divided_quantity
1	10248	11	12	4.8	
2	10248	42	10	4	
3	10248	72	5	2	
4	10249	14	9	3.6	
5	10249	51	40	16	
6	10250	41	10	4	
7	10250	41	14		

Result 6 x

Output

#	Time	Action	Message
5	19:17:35	SELECT subquery order_id, AVG(subquery quantity) AS average_quantity FROM (SELECT order_id, quantity FROM order_details WHERE ...	175 row(s) returned
6	19:28:12	WITH temp AS (SELECT order_id, quantity FROM order_details WHERE quantity > 10) SELECT temp.order_id, AVG(temp.quantity) AS a...	175 row(s) returned
7	19:31:37	DROP FUNCTION IF EXISTS divide_numbers	0 row(s) affected
8	19:31:37	CREATE FUNCTION divide_numbers(num1 FLOAT, num2 FLOAT) RETURNS FLOAT DETERMINISTIC BEGIN IF num2 = 0 THEN RETURN N...	0 row(s) affected
9	19:31:37	-- Використання функції divide_numbers у запиті до таблиці order_details SELECT id, order_id, product_id, quantity, divide_numbers(qua...	518 row(s) returned

Object Info Session