

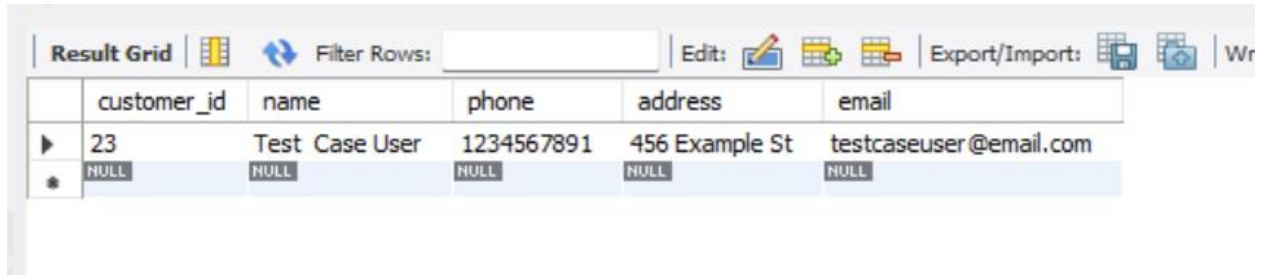
TEST CASES FOR DATABASE

Test Case 1: Insert a New Customer

Query: INSERT INTO customers (name, phone, address, email)

VALUES ('Test Case User', '1234567891', '456 Example St', 'testcaseuser@email.com');

Output:

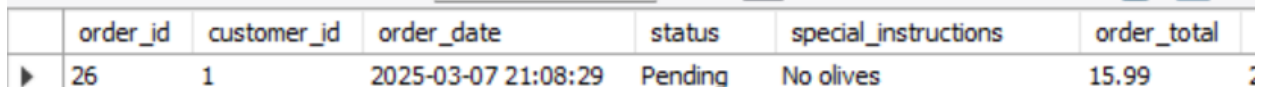


	customer_id	name	phone	address	email
▶	23	Test Case User	1234567891	456 Example St	testcaseuser@email.com
★	NULL	NULL	NULL	NULL	NULL

Test Case 2: Insert an Order

Query: INSERT INTO orders (customer_id, order_date, status, special_instructions, order_total) VALUES (1, NOW(), 'Pending', 'No olives', 15.99);

Output:

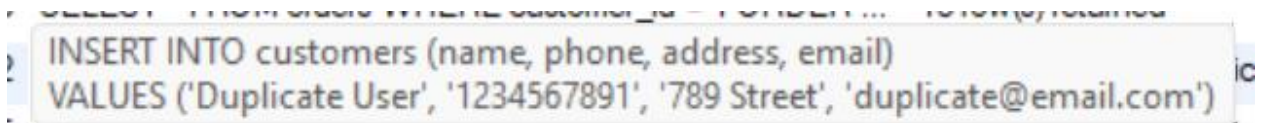


	order_id	customer_id	order_date	status	special_instructions	order_total
▶	26	1	2025-03-07 21:08:29	Pending	No olives	15.99

Test case 3: Insert Duplicate Phone Number (Should Fail)

Query: INSERT INTO customers (name, phone, address, email) VALUES ('Duplicate User', '1234567891', '789 Street', 'duplicate@email.com');

Output:



INSERT INTO customers (name, phone, address, email) VALUES ('Duplicate User', '1234567891', '789 Street', 'duplicate@email.com')

Test case 4: Fetch Order Details Using Stored Procedure

Query: CALL GetOrderDetails(1);

Output:

Result Grid							
Filter Rows:							
Export:							
Wrap Cell Content:							
customer_id	customer_name	phone	address	email	order_id	order_date	special_instructions
1	Test Customer	1234567890	123 Test St	testcustomer@email.com	1	2025-02-24 23:09:24	Gluten-free crust, add extra mushrooms

Wrap Cell Content:			
special_instructions	status	order_total	ordered_items
Gluten-free crust, add extra mushrooms	Delivered	21.98	Margherita (quantity - 2, size - Small)

Test case 5: Fetch All Orders for a Customer

Query: SELECT * FROM orders WHERE customer_id = 1;

Output:

Result Grid							
Filter Rows:							
Edit:							
Export/Import:							
Wrap Cell Content:							
order_id	customer_id	order_date	status	special_instructions	order_total	last_status_update	
1	1	2025-02-24 23:09:24	Delivered	Gluten-free crust, add extra mushrooms	21.98	2025-03-05 19:07:12	
2	1	2025-02-25 19:25:09	Delivered	No onions, extra cheese	12.99	2025-03-05 19:07:12	
5	1	2025-03-05 05:51:11	Delivered	Extra cheese	15.99	2025-03-05 19:07:12	
6	1	2025-03-05 19:26:50	Delivered	NULL	15.99	2025-03-05 19:46:59	
7	1	2025-03-05 19:56:56	Delivered	NULL	15.99	2025-03-05 23:26:16	
8	1	2025-03-05 23:29:00	Delivered	NULL	0.00	2025-03-05 23:29:36	
11	1	2025-03-05 23:32:05	Delivered	NULL	0.00	2025-03-05 23:32:46	
12	1	2025-03-06 22:44:33	Delivered	Extra cheese	0.00	2025-03-06 22:45:06	
13	1	2025-03-06 22:49:26	Delivered	Extra cheese	0.00	2025-03-06 22:49:56	
14	1	2025-03-06 22:59:09	Delivered	Extra cheese	20.00	2025-03-06 22:59:46	
15	1	2025-03-07 01:06:58	Delivered	Extra sauce on all pizzas	0.00	2025-03-07 01:07:36	
24	1	2025-03-07 18:46:11	Delivered	Latest Order for Event	15.99	2025-03-07 18:48:09	
26	1	2025-03-07 21:08:29	Delivered	No olives	15.99	2025-03-07 21:10:09	

orders 88 x Apply

Test case 6: Fetch Order Status Updates

Query: SELECT * FROM order_status_updates WHERE order_id = 1;

Output:

	id	order_id	status_update_time	new_status
▶	1	1	2025-02-24 23:09:24	Preparing
	6	1	2025-03-05 05:51:36	Preparing
	7	1	2025-03-05 05:51:36	Preparing
	8	1	2025-03-05 05:51:57	Out for Delivery
	9	1	2025-03-05 05:51:57	Out for Delivery
	10	1	2025-03-05 05:52:16	Delivered
	11	1	2025-03-05 05:52:16	Delivered
	12	1	2025-03-05 06:03:47	Preparing
	13	1	2025-03-05 06:03:47	Out for Delivery
	14	1	2025-03-05 06:03:47	Delivered
★	NULL	NULL	NULL	NULL

Test case 7: Update Customer Information

Query: UPDATE customers SET phone = '9876543211' WHERE customer_id = 1;

Output:

	customer_id	name	phone	address	email
▶	1	Test Customer	9876543211	123 Test St	testcustomer@email.com
★	NULL	NULL	NULL	NULL	NULL

Test case 8:

Query: DELETE FROM orders WHERE order_id = 1;

Output:

Before deletion:

	order_id	customer_id	order_date	status	special_instructions	order_total	last_status_update
▶	1	1	2025-02-24 23:09:24	Delivered	Gluten-free crust, add extra mushrooms	21.98	2025-03-05 19:07:12

After deletion: SELECT * FROM orders WHERE order_id = 1;

Result Grid

Filter Rows:

Edit:

Export/Import:

Wrap Cell Cont

	order_id	customer_id	order_date	status	special_instructions	order_total	last_status_update
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL

Test case 9 : Insert Order Item with Invalid Pizza ID (Should Fail)

Query: INSERT INTO order_items (order_id, pizza_id, size, quantity) VALUES (1, 999, 'Large', 1);

Output:

Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails ('pizza_shop`.`order_items`, CONSTRAINT `order_items_ibfk_1` FOREIGN KEY (`order_id`) REFERENCES `orders` (`order_id`) ON DELETE CASCADE)

Test case 10: Insert Order Without Required Fields (Should Fail)

Query: INSERT INTO orders (order_date, status, special_instructions, order_total) VALUES (NOW(), 'Pending', 'Missing Customer ID', 12.99);

Output:

151 13:30:41 INSERT INTO orders (order_date, status, special_instructions, order_total) VALUES (NOW(), 'Pending', 'Missing Customer ID', 12.99); Error Code: 1452. Cannot add or update a child row: a foreign key constraint fails ('pizza_shop`.`orders`, CONSTRAINT `orders_ibfk_1` FOREIGN KEY (`customer_id`) REFERENCES `customers` (`customer_id`) ON DELETE CASCADE)