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ec2032429

Week3

FBN Task: Device a set of DML Queries that will test the system

Answer below:  
  
**INSERT Queries**

**Customer**

INSERT INTO customer (customer\_id, customer\_surname, customer\_firstname, customer\_phone, customer\_email) VALUES  (11, 'Johnson', 'Alice', '5559876', 'alice.johnson@email.com'),

(12, 'Brown', 'Emily', '5554321', 'emily.brown@email.com'),

(13, 'Davis', 'Michael', '5556543', 'michael.davis@email.com'),

(14, 'Wilson', 'Sophia', '5552109', 'sophia.wilson@email.com'),

(15, 'Taylor', 'Daniel', '5558765', 'daniel.taylor@email.com'),

(16, 'Anderson', 'Olivia', '5553210', 'olivia.anderson@email.com'),

(17, 'Martinez', 'James', '5557654', 'james.martinez@email.com'),

(18, 'Thomas', 'Ava', '5551098', 'ava.thomas@email.com'),

(19, 'Jackson', 'William', '5550987', 'william.jackson@email.com'),

(20, 'White', 'Mia', '5557890', 'mia.white@email.com');

**Stuff**

INSERT INTO staff (staff\_id, staff\_surname, staff\_firstname, outlet\_id) VALUES

(11, 'Davis', 'Olivia', 3),

(12, 'Wilson', 'Noah', 1),

(13, 'Martinez', 'Emma', 5),

(14, 'Anderson', 'Liam', 2),

(15, 'Taylor', 'Ava', 7),

(16, 'Thomas', 'Ethan', 4),

(17, 'Jackson', 'Sophia', 8),

(18, 'White', 'Logan', 6),

(19, 'Harris', 'Isabella', 9),

(20, 'Martin', 'Mason', 10);

**Order**

INSERT INTO ordering (order\_id, customer\_customer\_id, staff\_staff\_id, order\_item, order\_type, order\_time, order\_date, payment\_id, item\_no) VALUES

(11, 11, 11, 'Veggie Burger', 'Delivery', '2023-05-15 18:30:00', '2023-05-15', 11, 3),

(12, 12, 14, 'Double Cheeseburger', 'Delivery', '2023-05-16 12:45:00', '2023-05-16', 12, 2),

(13, 15, 13, 'Chicken Nuggets', 'Collection', '2023-05-17 19:15:00', '2023-05-17', 13, 5),

(14, 18, 12, 'Baconator', 'Delivery', '2023-05-18 11:00:00', '2023-05-18', 14, 1),

(15, 13, 15, 'Fish Sandwich', 'Collection', '2023-05-19 20:00:00', '2023-05-19', 15, 4),

(16, 19, 11, 'Spicy Chicken Wrap', 'Delivery', '2023-05-20 13:30:00', '2023-05-20', 16, 8),

(17, 14, 17, 'Kids Meal', 'Collection', '2023-05-21 17:20:00', '2023-05-21', 17, 6),

(18, 20, 18, 'Salad', 'Delivery', '2023-05-22 14:10:00', '2023-05-22', 18, 7),

(19, 16, 16, 'Milkshake', 'Collection', '2023-05-23 19:50:00', '2023-05-23', 19, 9),

(20, 17, 19, 'Ice Cream Sundae', 'Delivery', '2023-05-24 16:45:00', '2023-05-24', 20, 10);

**Payment**

INSERT INTO payment (payment\_id, payment\_amount, account\_no, bsb\_no, customer\_customer\_id) VALUES

(11, 25.50, '5432109876', '987654', 11),

(12, 32.99, '1234567890', '012345', 12),

(13, 18.75, '9876543210', '543210', 15),

(14, 45.20, '2345678901', '654321', 18),

(15, 21.00, '8765432109', '123456', 13),

(16, 38.50, '3456789012', '765432', 19),

(17, 12.95, '6789012345', '234567', 14),

(18, 29.95, '4321098765', '876543', 20),

(19, 8.50, '5432109876', '345678', 16),

(20, 15.75, '9876543210', '987654', 17);

**Order\_Item**

INSERT INTO order\_item (order\_item\_id, item\_id, order\_id) VALUES

(11, 3, 11),

(12, 2, 12),

(13, 5, 13),

(14, 1, 14),

(15, 4, 15),

(16, 8, 16),

(17, 6, 17),

(18, 7, 18),

(19, 9, 19),

(20, 10, 20);

**SELECT Queries (Retrieving Data)**

**All Orders for a Customer:**

SELECT \* FROM ordering WHERE customer\_customer\_id = 1;

**Total Sales for a Day:**

SELECT SUM(payment\_amount) FROM payment

JOIN ordering ON payment.payment\_id = ordering.payment\_id

WHERE order\_date = '2023-05-12';

**Staff Members at a Specific Outlet:**

SELECT \* FROM staff WHERE outlet\_id = 5;

**Items in a Specific Order:**

SELECT item\_name, quantity FROM order\_item

JOIN item ON order\_item.item\_id = item.item\_id

WHERE order\_id = 10;

**UPDATE Queries**

**Change Customer's Phone Number:**

UPDATE customer SET customer\_phone = '5551112222' WHERE customer\_id = 5;

**Update Order Status:**

UPDATE ordering SET order\_type = 'Cancelled' WHERE order\_id = 8;

**DELETE Queries**

**Delete a Customer (and Associated Orders/Payments):**

DELETE FROM customer WHERE customer\_id = 10;