1. Create table customers.

mysql>

2. Create table orders.

mysql> CREATE TABLE IF NOT EXISTS orders(
 -> id INT AUTO_INCREMENT PRIMARY KEY,
 -> customer_id INT,
 -> total INT,
 -> created_at DATE,
 -> CONSTRAINT fk_customer
 -> FOREIGN KEY(customer_id)
 -> REFERENCES customers(id)
 ->);
Query OK, 0 rows affected (0.04 sec)

mysql> describe orders;

+ Field	Type	Null	 Key	Default	Extra
customer_id	int	YES YES	MUL		auto_increment

4 rows in set (0.00 sec)

mysql>

```
3. Create table oder details.
mysql> CREATE TABLE IF NOT EXISTS order_details(
   -> item_id INT,
   -> order_id INT,
   -> quantity INT,
   -> CONSTRAINT fk_order_details_item_id
   -> FOREIGN KEY(item_id)
   -> REFERENCES items(id),
   -> CONSTRAINT fk_order_details_order_id
   -> FOREIGN KEY(order id)
   -> REFERENCES orders(id)
   -> );
Query OK, 0 rows affected (0.09 sec)
mysql> describe order_details;
+----+
| Field | Type | Null | Key | Default | Extra |
+----+
| item_id | int | YES | MUL | NULL |
order_id | int | YES | MUL | NULL | quantity | int | YES | NULL |
+----+
3 rows in set (0.00 sec)
mysql>
Insert new data to customers table.
[mysql> INSERT INTO customers(name, phone) VALUES
   -> ('Budiawan', '+6212345678'),
   -> ('Mary Jones', '+6287654321'),
   -> ('Budiawan', '+6289753124');
   -> ('Tasya', '+62812345612'),
   -> ('Dwi', '+621212123456');
Query OK, 2 rows affected (0.05 sec)
Records: 2 Duplicates: 0 Warnings: 0
mysql> SELECT * FROM customers;
+---+
| id | name | phone |
+---+
| 1 | Budiawan | +6212345678
| 2 | Mary Jones | +6287654321
| 3 | Budiawan | +6289753124
| 4 | Tasya | +62812345612 |
| 5 | Dwi | +621212123456 |
+---+
5 rows in set (0.02 sec)
```

mysql>

5. Insert data into order.

İ	id	customer_id	total	created_at
	1 2 3 4 5	1	0 0	2021-10-10 2021-10-10 2021-10-10 2021-10-11 2021-10-11
+-		+	+	++

5 rows in set (0.00 sec)

6. Create trigger when insert data to oder details.

mysql> CREATE TRIGGER after_order_details_insert

- -> AFTER INSERT ON order_details FOR EACH ROW
- -> UPDATE orders
- -> LEFT JOIN items ON items.id = NEW.item_id
- -> SET orders.total = orders.total + (NEW.quantity * items.price)
- -> WHERE orders.id = NEW.order_id;

Query OK, 0 rows affected (0.08 sec)

7. Insert data into order_details.

```
mysql> INSERT INTO order_details(item_id, order_id, quantity) VALUES
-> (1, 1, 1),
-> (2, 1, 1),
-> (3, 2, 1),
-> (4, 2, 1),
-> (5, 3, 1),
-> (1, 4, 1),
-> (2, 4, 1),
-> (7, 5, 1),
-> (4, 5, 1);
Query OK, 10 rows affected (0.01 sec)
Records: 10 Duplicates: 0 Warnings: 0

[mysql> SELECT * FROM order_details;
+-----+
```

item_id	order_id	quantity
1	1 1	
3	2	1
4	2 3	1
5 1] 3 4	1 1
2 7	4 5	1 1
4	5 +	1 +

10 rows in set (0.00 sec)

mysql>

8. Show orders data.

[mysql> SELECT * FROM orders;

4			
	customer_id	•	
1 2 3 4 5	1 2 3 1 2	55000 27000	2021-10-10 2021-10-10 2021-10-10 2021-10-11 2021-10-11
		•	

5 rows in set (0.00 sec)

9. Show Result View

```
mysql> SELECT
   -> orders.id as `Order ID`,
   -> orders.created_at as `Order Date`,
   -> customers.name as `Customer Name`,
   -> customers.phone as `Customer Phone`,
   -> orders.total as `Total`,
   -> GROUP_CONCAT(items.name) as `Items bought`
   -> FROM orders
   -> JOIN customers ON customers.id = orders.customer_id
   -> JOIN order_details ON order_details.order_id = orders.id
   -> GROUP BY orders.id;
```

Order ID	Order Date	Customer Name	Customer Phone	Total	Items bought
1	2021-10-10 2021-10-10 2021-10-10 2021-10-11 2021-10-11	Budiawan Mary Jones Budiawan Budiawan	+6212345678	27000 58000 55000 27000	Nasi Goreng Gila,Ice Water Spaghetti,Green Tea Latte Spaghetti,Orange Juice Nasi Goreng Gila,Ice Water Cordon Bleu,Green Tea Latte

5 rows in set (0.01 sec)

mysql>