USE E COMMERCE PLATFORM

```
MariaDB [(none)]> USE ecommerce_platform;
Database changed
```

CREATE CUSTOMER TABLE

```
MariaDB [ecommerce_platform]> CREATE TABLE Customer (
    -> customer_id INT PRIMARY KEY AUTO_INCREMENT,
    -> name VARCHAR(100) NOT NULL,
    ->  email VARCHAR(100) UNIQUE NOT NULL,
    -> password VARCHAR(100) NOT NULL,
    -> phone VARCHAR(15),
    -> address TEXT
    -> );
Query OK, 0 rows affected (0.039 sec)
```

CREATE TABLE PRODUCT

```
MariaDB [ecommerce_platform]> CREATE TABLE Product (
    -> product_id INT PRIMARY KEY AUTO_INCREMENT,
    -> name VARCHAR(100) NOT NULL,
    -> description TEXT,
    -> price DECIMAL(10,2) NOT NULL,
    -> stock INT NOT NULL,
    -> category_id INT,
    -> FOREIGN KEY (category_id) REFERENCES Category(category_id)
    -> ON DELETE CASCADE
    -> ON UPDATE CASCADE
    -> );
Query OK, 0 rows affected (0.031 sec)
```

CREATE TABLE CATEGORY

```
MariaDB [ecommerce_platform]>
MariaDB [ecommerce_platform]> CREATE TABLE Category (
    -> category_id INT PRIMARY KEY AUTO_INCREMENT,
    -> category_name VARCHAR(100) NOT NULL
    -> );
Query OK, 0 rows affected (0.019 sec)
```

CREATE TABLE ORDER

```
MariaDB [ecommerce_platform]> CREATE TABLE Orders (
    -> order_id INT PRIMARY KEY AUTO_INCREMENT,
    -> customer_id INT,
    -> order_date DATE NOT NULL,
    -> total_amount DECIMAL(10,2),
    -> status VARCHAR(50),
    -> FOREIGN KEY (customer_id) REFERENCES Customer(customer_id)
    -> ON DELETE CASCADE
    -> ON UPDATE CASCADE
    -> );
Query OK, 0 rows affected (0.016 sec)
```

CREATE TABLE FOR ORDER ITEM

```
MariaDB [ecommerce_platform]> CREATE TABLE Order_Items (
    -> order_item_id INT PRIMARY KEY AUTO_INCREMENT,
    -> order_id INT,
    -> product_id INT,
    -> quantity INT NOT NULL,
    -> price DECIMAL(10,2) NOT NULL,
    -> FOREIGN KEY (order_id) REFERENCES Orders(order_id)
    -> ON DELETE CASCADE
    -> ON UPDATE CASCADE,
    -> FOREIGN KEY (product_id) REFERENCES Product(product_id)
    -> ON DELETE CASCADE
    -> ON UPDATE CASCADE
    -> );
Query OK, 0 rows affected (0.024 sec)
```

CREATE TABLE CART

```
MariaDB [ecommerce_platform]> CREATE TABLE Cart (
    -> cart_id INT PRIMARY KEY AUTO_INCREMENT,
    -> customer_id INT,
    -> product_id INT,
    -> quantity INT NOT NULL,
    -> FOREIGN KEY (customer_id) REFERENCES Customer(customer_id)
    -> ON DELETE CASCADE
    -> ON UPDATE CASCADE,
    -> FOREIGN KEY (product_id) REFERENCES Product(product_id)
    -> ON DELETE CASCADE
    -> ON UPDATE CASCADE
    -> );
Query OK, 0 rows affected (0.023 sec)
```

CREATE TABLE FOR PAYMENT

```
MariaDB [ecommerce_platform]> CREATE TABLE Payment (
    -> payment_id INT PRIMARY KEY AUTO_INCREMENT,
    -> order_id INT,
    -> payment_method VARCHAR(50),
    -> payment_status VARCHAR(50),
    -> FOREIGN KEY (order_id) REFERENCES Orders(order_id)
    -> ON DELETE CASCADE
    -> ON UPDATE CASCADE
    -> );
Query OK, 0 rows affected (0.027 sec)
```

INSERT CATEGORY

```
MariaDB [ecommerce_platform]> INSERT INTO Category (category_name) VALUES
    -> ('Electronics'),
    -> ('Clothing'),
    -> ('Books'),
    -> ('Home Appliances');
Query OK, 4 rows affected (0.013 sec)
Records: 4  Duplicates: 0  Warnings: 0
```

INSERT CUSTOMER DETAILS

```
MariaDB [ecommerce_platform]> INSERT INTO Customer (name, email, password, phone, address) VALUES
    -> ('Rahul Sharma', 'rahul@gmail.com', 'rahul123', '9876543210', 'Delhi, India'),
    -> ('Priya Verma', 'priya@gmail.com', 'priya123', '9123456780', 'Mumbai, India'),
    -> ('Amit Singh', 'amit@gmail.com', 'amit123', '9988776655', 'Lucknow, India');
Query OK, 3 rows affected (0.007 sec)
Records: 3  Duplicates: 0  Warnings: 0
```

INSERT PRODUCT DETAILS

```
MariaDB [ecommerce_platform]> INSERT INTO Product (name, description, price, stock, category_id) VALUES
    -> ('Smartphone', 'Android mobile phone', 15000.00, 20, 1),
    -> ('Laptop', '15 inch gaming laptop', 60000.00, 10, 1),
    -> ('T-Shirt', 'Cotton casual t-shirt', 500.00, 50, 2),
    -> ('Microwave Oven', '20L microwave oven', 8000.00, 15, 4);
Query OK, 4 rows affected (0.010 sec)
Records: 4  Duplicates: 0  Warnings: 0
```

INSERT ORDER DETAILS

```
MariaDB [ecommerce_platform]> INSERT INTO Orders (customer_id, order_date, total_amount, status) VALUES
    -> (1, '2026-02-20', 15000.00, 'Completed'),
    -> (2, '2026-02-21', 500.00, 'Pending');
Query OK, 2 rows affected (0.009 sec)
Records: 2  Duplicates: 0  Warnings: 0
```

INSERT ORDER ITEMS

```
MariaDB [ecommerce_platform]> INSERT INTO Order_Items (order_id, product_id, quantity, price) VALUES
    -> (1, 1, 1, 15000.00),
    -> (2, 3, 1, 500.00);
Query OK, 2 rows affected (0.010 sec)
Records: 2  Duplicates: 0  Warnings: 0
```

INSERT ORDER ITEMS

```
MariaDB [ecommerce_platform]> INSERT INTO Order_Items (order_id, product_id, quantity, price) VALUES
    -> (1, 1, 1, 15000.00),
    -> (2, 3, 1, 500.00);
Query OK, 2 rows affected (0.010 sec)
Records: 2  Duplicates: 0  Warnings: 0
```

INSERT CART

```
MariaDB [ecommerce_platform]> INSERT INTO Cart (customer_id, product_id, quantity) VALUES
    -> (1, 2, 1),
    -> (3, 1, 2);
Query OK, 2 rows affected (0.008 sec)
Records: 2  Duplicates: 0  Warnings: 0
```

```
MariaDB [ecommerce_platform]> SELECT * FROM Product;
+------------+---------------+-----------------------+----------+-------+-------------+
| product_id | name          | description           | price    | stock | category_id |
+------------+---------------+-----------------------+----------+-------+-------------+
|          1 | Smartphone    | Android mobile phone  | 15000.00 |    20 |           1 |
|          2 | Laptop        | 15 inch gaming laptop | 60000.00 |    10 |           1 |
|          3 | T-Shirt       | Cotton casual t-shirt |   500.00 |    50 |           2 |
|          4 | Microwave Oven| 20L microwave oven    |  8000.00 |    15 |           4 |
+------------+---------------+-----------------------+----------+-------+-------------+
4 rows in set (0.001 sec)
```

```
MariaDB [ecommerce_platform]> SELECT
    -> Customer.customer_id,
    -> Customer.name,
    -> Customer.email,
    -> Orders.order_id,
    -> Orders.order_date,
    -> Orders.total_amount,
    -> Orders.status
    -> FROM Customer
    -> JOIN Orders
    -> ON Customer.customer_id = Orders.customer_id;
+-------------+--------------+-----------------+----------+------------+--------------+-----------+
| customer_id | name         | email           | order_id | order_date | total_amount | status    |
+-------------+--------------+-----------------+----------+------------+--------------+-----------+
|           1 | Rahul Sharma | rahul@gmail.com |        1 | 2026-02-20 |     15000.00 | Completed |
|           2 | Priya Verma  | priya@gmail.com |        2 | 2026-02-21 |       500.00 | Pending   |
+-------------+--------------+-----------------+----------+------------+--------------+-----------+
2 rows in set (0.006 sec)
```

VIEW CUSTOMER WITH THEIR ORDER

```
MariaDB [ecommerce_platform]> SELECT
    -> Product.product_id,
    -> Product.name AS product_name,
    -> Product.price,
    -> Product.stock,
    -> Category.category_name
    -> FROM Product
    -> JOIN Category
    -> ON Product.category_id = Category.category_id;
+------------+--------------+----------+-------+-----------------+
| product_id | product_name | price    | stock | category_name   |
+------------+--------------+----------+-------+-----------------+
|          1 | Smartphone   | 15000.00 |    20 | Electronics     |
|          2 | Laptop       | 60000.00 |    10 | Electronics     |
|          3 | T-Shirt      |   500.00 |    50 | Clothing        |
|          4 | Microwave Oven | 8000.00 |   15 | Home Appliances |
+------------+--------------+----------+-------+-----------------+
4 rows in set (0.003 sec)
```

VIEW PRODUCT WITH CATEGORY NAME

```
MariaDB [ecommerce_platform]> SELECT
    -> Customer.name AS customer_name,
    -> Orders.order_id,
    -> Product.name AS product_name,
    -> Order_Items.quantity,
    -> Order_Items.price,
    -> Orders.order_date
    -> FROM Customer
    -> JOIN Orders
    -> ON Customer.customer_id = Orders.customer_id
    -> JOIN Order_Items
    -> ON Orders.order_id = Order_Items.order_id
    -> JOIN Product
    -> ON Order_Items.product_id = Product.product_id;
+---------------+----------+--------------+----------+----------+------------+
| customer_name | order_id | product_name | quantity | price    | order_date |
+---------------+----------+--------------+----------+----------+------------+
| Rahul Sharma  |        1 | Smartphone   |        1 | 15000.00 | 2026-02-20 |
| Priya Verma   |        2 | T-Shirt      |        1 |   500.00 | 2026-02-21 |
+---------------+----------+--------------+----------+----------+------------+
2 rows in set (0.004 sec)
```