```
mysql> CREATE DATABASE ecommerce_db;
Query OK, 1 row affected (0.11 sec)

mysql> USE ecommerce_db;
Database changed
mysql> CREATE TABLE customers(customer_id INT PRIMARY KEY AUTO_INCREMENT, customer_name VARCHAR(100), email VARCHAR(100));
Query OK, 0 rows affected (0.10 sec)

mysql> CREATE TABLE products(product_id INT PRIMARY KEY AUTO_INCREMENT, product_name VARCHAR(100), price DECIMAL(10,2));
Query OK, 0 rows affected (0.04 sec)
```

mysql> CREATE TABLE orders(order_id INT PRIMARY KEY AUTO_INCREMENT,customer_id INT,order_date DATE,total_amount DECIMAL(10,2),FOREIGN KEY (customer_id) REFERENCES customers(customer_id));
Query OK, 0 rows affected (0.05 sec)

mysql> CREATE TABLE order_items(order_item_id INT PRIMARY KEY AUTO_INCREMENT,order_id INT, product_id INT,quantity INT,FOREIGN KEY(order_id)REFERENC ES orders(order_id));
Query OK, 0 rows affected (0.05 sec)

```
mysql> INSERT INTO customers(customer_name,email) VALUES('Alice','alice@example.com'),('Bob','bob@example.com'),('Charlie','charlie@example.com');
Query OK, 3 rows affected (0.02 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> INSERT INTO products(product_name,price)
    -> VALUES('Laptop',50000.00),('SmartPhone',20000.00),('Headphones',3000.00),('Keyboard',1500.00);
Query OK, 4 rows affected (0.01 sec)
Records: 4 Duplicates: 0 Warnings: 0
```

```
mysql> INSERT INIO orders (customer_id,

-> VALUES

-> (1,'2025-06-01',53000.00),

-> (2,'2025-06-02',20000.00),

-> (3,'2025-06-03',4500.00);

Query OK, 3 rows affected (0.02 sec)

Records: 3 Duplicates: 0 Warnings: 0
mysql> INSERT INTO order_items (order_id, product_id, quantity) VALUES
mysd> INSERT INTO order_items (order_i

-> (1, 1, 1),

-> (1, 3, 1),

-> (2, 2, 1),

-> (3, 3, 1),

-> (3, 4, 1);

Query OK, 5 rows affected (0.01 sec)

Records: 5 Duplicates: 0 Warnings: 0
mysql> SELECT * FROM customers ORDER BY customer_name;
 | customer_id | customer_name | email
                              Alice
Bob
Charlie
                                                              alice@example.com
bob@example.com
charlie@example.com
3 rows in set (0.03 sec)
mysql> SELECT product_name, price FROM products WHERE price > 5000;
 | product_name | price
   Laptop
SmartPhone
                                 50000.00
20000.00
```

mysql> INSERT INTO orders (customer_id, order_date, total_amount)

mysql> SELECT customer_name, COALESCE(email, 'No Email') AS email_info FROM customers;