Create database ecommerce;

**--customer table:**

CREATE TABLE customer (

CustomerID INT AUTO\_INCREMENT PRIMARY KEY,

Name VARCHAR(255),

Email VARCHAR(255) UNIQUE,

Password VARCHAR(255)

);

**--Customerprofile table:**

CREATE TABLE customerprofile (

ProfileID INT AUTO\_INCREMENT PRIMARY KEY,

CustomerID INT,

FirstName VARCHAR(255),

LastName VARCHAR(255),

Address VARCHAR(255),

PhoneNumber VARCHAR(15),

Email VARCHAR(255) UNIQUE,

Password VARCHAR(255),

DateOfBirth DATE,

Gender ENUM('Male', 'Female', 'Other'),

FOREIGN KEY (CustomerID) REFERENCES customer(CustomerID)

);

**--Trigger for customer table insert**

DELIMITER //

CREATE TRIGGER after\_customerprofile\_insert

AFTER INSERT ON customerprofile

FOR EACH ROW

BEGIN

INSERT INTO customer (CustomerID, Name, Email, Password)

VALUES (NEW.CustomerID, CONCAT(NEW.FirstName, ' ', NEW.LastName), NEW.Email, NEW.Password);

END;

//

DELIMITER ;

**--Categories table :**

CREATE TABLE categories (

CategoryID INT AUTO\_INCREMENT PRIMARY KEY,

CategoryName VARCHAR(255) NOT NULL

);

**--Product s table:**

CREATE TABLE products (

ProductID INT AUTO\_INCREMENT PRIMARY KEY,

Name VARCHAR(255) NOT NULL,

Price DECIMAL(10, 2) NOT NULL,

Description TEXT NOT NULL,

Stock INT NOT NULL,

CategoryID INT NOT NULL,

Image VARCHAR(255) NOT NULL,

FOREIGN KEY (CategoryID) REFERENCES categories(CategoryID)

);

-- Sample Data

INSERT INTO categories (CategoryID, CategoryName) VALUES

(1, 'Shirt'),

(2, 'Panjabi'),

(3, 'Hoodie'),

(4, 'Polo'),

(5, 'Suits'),

(6, 'Belt');

INSERT INTO products (Name, Price, Description, Stock, CategoryID, Image) VALUES

('Shirt 1', 10.00, 'Description for Shirt 1', 100, 1, 'shirt1.jpg'),

('Panjabi 1', 20.00, 'Description for Panjabi 1', 50, 2, 'panjabi1.jpg'),

('Hoodie 1', 30.00, 'Description for Hoodie 1', 75, 3, 'hoodie1.jpg');

CREATE TABLE orders (

OrderID INT AUTO\_INCREMENT PRIMARY KEY,

CustomerID INT,

OrderDate TIMESTAMP DEFAULT CURRENT\_TIMESTAMP,

TotalAmount DECIMAL(10, 2),

FOREIGN KEY (CustomerID) REFERENCES customerprofile(CustomerID)

);

CREATE TABLE order\_details (

OrderDetailID INT AUTO\_INCREMENT PRIMARY KEY,

OrderID INT,

ProductID INT,

Quantity INT,

Price DECIMAL(10, 2),

FOREIGN KEY (OrderID) REFERENCES orders(OrderID),

FOREIGN KEY (ProductID) REFERENCES products(ProductID)

);

CREATE TABLE reviews (ProductID int, Email, rating, DECIMAL(2,1) NOT NULL, comment TEXT NOT NULL, created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP);

CREATE TABLE contact\_form ( id INT AUTO\_INCREMENT PRIMARY KEY, name VARCHAR(100) NOT NULL, email VARCHAR(100) NOT NULL, subject VARCHAR(100) NOT NULL, message TEXT NOT NULL, created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP );