CREATE DATABASE E\_Commerce\_master;

USE E\_Commerce\_master;

-- Create Category Table

CREATE TABLE Category (

category\_id INT IDENTITY(1,1) PRIMARY KEY,

name NVARCHAR(255),

image NVARCHAR(MAX),

description NVARCHAR(MAX)

);

-- Create Products Table

CREATE TABLE Products (

product\_id INT IDENTITY(1,1) PRIMARY KEY ,

name NVARCHAR(255),

description NVARCHAR(MAX),

image NVARCHAR(MAX),

price DECIMAL(10, 2),

category\_id INT,

brand NVARCHAR(100),

price\_with\_discount DECIMAL(10, 2),

FOREIGN KEY (category\_id) REFERENCES Category(category\_id)

);

-- Create Users Table

CREATE TABLE Users (

user\_id INT IDENTITY(1,1) PRIMARY KEY,

name NVARCHAR(255) NOT NULL,

email VARCHAR(255)NOT NULL,

image NVARCHAR(MAX),

password NVARCHAR(255)NOT NULL,

passwordHash VARBINARY(MAX),

passwordSalt VARBINARY(MAX),

address NVARCHAR(255),

points INT,

phone\_number VARCHAR(20)

);

-- Create Admin Table

CREATE TABLE Admin (

admin\_id INT IDENTITY(1,1) PRIMARY KEY,

name NVARCHAR(255)NOT NULL,

email VARCHAR(255)NOT NULL,

img NVARCHAR(MAX),

password VARCHAR(255)NOT NULL,

passwordHash VARBINARY(MAX),

passwordSalt VARBINARY(MAX)

);

-- Create Contact Table

CREATE TABLE Contact (

contact\_id INT IDENTITY(1,1) PRIMARY KEY,

name NVARCHAR(255) NOT NULL,

email VARCHAR(255) NOT NULL,

subject NVARCHAR(255),

message NVARCHAR(MAX),

sent\_date DATE,

admin\_response NVARCHAR(MAX),

response\_date DATE,

status NVARCHAR(255) DEFAULT 'PENDING'

);

-- Create Coupons Table

CREATE TABLE Copons (

copon\_id INT IDENTITY(1,1) PRIMARY KEY,

name NVARCHAR(255),

DiscountAmount DECIMAL(10, 2),

ExpiryDate DATETIME ,

CreatedAt DATETIME DEFAULT GETDATE(),

IsUsed BIT DEFAULT 0,

user\_id INT ,

FOREIGN KEY (user\_id) REFERENCES Users(user\_id)

);

-- Create Orders Table

CREATE TABLE Orders (

order\_id INT IDENTITY(1,1) PRIMARY KEY,

user\_id INT,

amount DECIMAL(10, 2),

copon\_id INT,

status INT,

transaction\_id NVARCHAR(MAX),

FOREIGN KEY (user\_id) REFERENCES Users(user\_id),

FOREIGN KEY (copon\_id) REFERENCES Copons(copon\_id)

);

-- Create Cart\_Item Table

CREATE TABLE Cart\_Item (

cart\_item\_id INT IDENTITY(1,1) PRIMARY KEY,

product\_id INT,

user\_id INT,

quantity INT,

FOREIGN KEY (product\_id) REFERENCES Products(product\_id),

FOREIGN KEY (user\_id) REFERENCES Users(user\_id)

);

-- Create Order\_Item Table

CREATE TABLE Order\_Item (

order\_item\_id INT IDENTITY(1,1) PRIMARY KEY,

order\_id INT,

product\_id INT,

quantity INT,

FOREIGN KEY (order\_id) REFERENCES Orders(order\_id),

FOREIGN KEY (product\_id) REFERENCES Products(product\_id)

);

-- Create Comment Table

CREATE TABLE Comment (

comment\_id INT IDENTITY(1,1) PRIMARY KEY,

user\_id INT,

product\_id INT,

comment NVARCHAR(MAX),

status NVARCHAR(255) DEFAULT 'PENDING',

date DATE,

rating INT,

FOREIGN KEY (user\_id) REFERENCES Users(user\_id),

FOREIGN KEY (product\_id) REFERENCES Products(product\_id)

);

CREATE TABLE Payments (

payment\_id INT IDENTITY(1,1) PRIMARY KEY,

user\_id INT NOT NULL,

amount DECIMAL(10, 2) NOT NULL,

payment\_method NVARCHAR(50),

transaction\_id NVARCHAR(100),

payment\_status NVARCHAR(50),

payment\_date DATETIME DEFAULT GETDATE(),

FOREIGN KEY (user\_id) REFERENCES Users(user\_id)

);

CREATE TABLE Messages (

Id INT PRIMARY KEY IDENTITY(1,1),

Sender NVARCHAR(MAX) NULL,

Recipient NVARCHAR(MAX) NULL,

MessageContent NVARCHAR(MAX) NULL,

Timestamp DATETIME NULL

);

CREATE TABLE ChatMessages (

Id INT PRIMARY KEY IDENTITY(1,1),

Sender NVARCHAR(100) NULL,

Recipient NVARCHAR(100) NULL,

MessageContent NVARCHAR(MAX) NULL,

SentAt DATETIME NULL

);