

```
CREATE TABLE Client (  
    ClientID INT PRIMARY KEY,  
    LastName VARCHAR(100) NOT NULL,  
    FirstName VARCHAR(100) NOT NULL,  
    Email VARCHAR(150) UNIQUE NOT NULL,  
    PhoneNumber VARCHAR(20),  
    Street VARCHAR(100),  
    Number VARCHAR(10),  
    City VARCHAR(100),  
    PostalCode VARCHAR(20),  
    Country VARCHAR(100)  
)
```

```
CREATE TABLE Product (  
    ProductID INT PRIMARY KEY,  
    ProductName VARCHAR(150) NOT NULL,  
    Price DECIMAL(10, 2) NOT NULL,  
    StockQuantity INT NOT NULL,  
    Category VARCHAR(100),  
    Description VARCHAR(100),  
    CreatedAt DATE,  
    ExpireAt DATE  
)
```

```
CREATE TABLE Orders (  
    OrderID INT PRIMARY KEY,  
    ClientID INT NOT NULL,  
    OrderDate DATE,
```

```
TotalAmount DECIMAL(10, 2) NOT NULL,  
Status VARCHAR(50),  
FOREIGN KEY (ClientID) REFERENCES Client(ClientID)  
)
```

```
CREATE TABLE OrdersDetails (  
    OrderID INT NOT NULL,  
    ProductID INT NOT NULL,  
    Quantity INT NOT NULL,  
    PriceAtOrderTime DECIMAL(10, 2) NOT NULL,  
    TotalPerProduct DECIMAL(10, 2) GENERATED ALWAYS AS (Quantity * PriceAtOrderTime),  
    PRIMARY KEY (OrderID, ProductID),  
    FOREIGN KEY (OrderID) REFERENCES Orders(OrderID),  
    FOREIGN KEY (ProductID) REFERENCES Product(ProductID)  
)
```

```
use databasetp;
```

```
INSERT INTO Client (ClientID, LastName, FirstName, Email, PhoneNumber, Street, Number,  
City, PostalCode, Country)  
VALUES (1, 'Popescu', 'Andrei', 'andrei.popescu@gmail.com', '0722123456', 'Lalelelor', '15A',  
'Bucuresti', '010101', 'Romania')
```

```
INSERT INTO Client (ClientID, LastName, FirstName, Email, PhoneNumber, Street, Number,  
City, PostalCode, Country)  
VALUES (2, 'Ionescu', 'Maria', 'maria.ionescu@yahoo.com', '0733987654', 'Florilor', '23B',  
'Cluj-Napoca', '400123', 'Romania');
```

```
INSERT INTO Client (ClientID, LastName, FirstName, Email, PhoneNumber, Street, Number, City, PostalCode, Country)
```

```
VALUES (3, 'Georgescu', 'Vlad', 'vlad.georgescu@hotmail.com', '0744567890', 'Primaverii', '7', 'Timisoara', '300045', 'Romania');
```

```
INSERT INTO Client (ClientID, LastName, FirstName, Email, PhoneNumber, Street, Number, City, PostalCode, Country)
```

```
VALUES (4, 'Dumitrescu', 'Ioana', 'ioana.dumitrescu@gmail.com', '0755012345', 'Independentei', '12C', 'Iasi', '700200', 'Romania');
```

```
INSERT INTO Product (ProductID, ProductName, Price, StockQuantity, Category, Description, CreatedAt, ExpireAt)
```

```
VALUES (1, 'Laptop Lenovo', 3499.99, 10, 'Electronics', 'Laptop cu procesor i7 si 16GB RAM', '2025-01-15', NULL)
```

```
INSERT INTO Product (ProductID, ProductName, Price, StockQuantity, Category, Description, CreatedAt, ExpireAt)
```

```
VALUES (2, 'Telefon Samsung', 2899.50, 25, 'Electronics', 'Smartphone cu ecran AMOLED si 128GB stocare', '2025-02-10', NULL);
```

```
INSERT INTO Product (ProductID, ProductName, Price, StockQuantity, Category, Description, CreatedAt, ExpireAt)
```

```
VALUES (3, 'Frigider Arctic', 1899.00, 8, 'Home Appliances', 'Frigider cu congelator si clasa energetica A+', '2025-03-05', NULL);
```

```
INSERT INTO Product (ProductID, ProductName, Price, StockQuantity, Category, Description, CreatedAt, ExpireAt)
```

```
VALUES (4, 'Carte dezvoltare personala', 79.99, 50, 'Books', 'Volum scris de Daniel Kahneman', '2025-04-01', NULL);
```

```
INSERT INTO Orders (OrderID, ClientID, OrderDate, TotalAmount, Status)
VALUES (1, 1, '2025-03-09', 3499.99, 'Pending')
```

```
INSERT INTO Orders (OrderID, ClientID, OrderDate, TotalAmount, Status)
VALUES (2, 2, '2025-03-10', 2899.50, 'Shipped');
```

```
INSERT INTO Orders (OrderID, ClientID, OrderDate, TotalAmount, Status)
VALUES (3, 3, '2025-03-11', 1978.99, 'Delivered');
```

```
INSERT INTO Orders (OrderID, ClientID, OrderDate, TotalAmount, Status)
VALUES (4, 4, '2025-03-12', 79.99, 'Pending');
```

```
INSERT INTO OrdersDetails (OrderID, ProductID, Quantity, PriceAtOrderTime)
VALUES (1, 1, 1, 3499.99)
```

```
INSERT INTO OrdersDetails (OrderID, ProductID, Quantity, PriceAtOrderTime)
VALUES (2, 2, 1, 2899.50);
```

```
INSERT INTO OrdersDetails (OrderID, ProductID, Quantity, PriceAtOrderTime)
VALUES (3, 3, 1, 1899.00);
```

```
INSERT INTO OrdersDetails (OrderID, ProductID, Quantity, PriceAtOrderTime)
VALUES (4, 4, 1, 79.99);
```