-- Product table

CREATE TABLE Product (

ProductID INT PRIMARY KEY,

Name VARCHAR(255),

Description VARCHAR(255),

Price DECIMAL(10, 2),

Category VARCHAR(255)

);

-- Region table

CREATE TABLE Region (

RegionID INT PRIMARY KEY,

Name VARCHAR(255)

);

-- TimePeriod table

CREATE TABLE TimePeriod (

TimePeriodID INT PRIMARY KEY,

Name VARCHAR(255)

);

-- Customer table

CREATE TABLE Customer (

CustomerID INT PRIMARY KEY,

Name VARCHAR(255),

Address VARCHAR(255),

Age INT,

LoyaltyStatus VARCHAR(255)

);

-- Purchase table

CREATE TABLE Purchase (

PurchaseID INT PRIMARY KEY,

CustomerID INT,

TimePeriodID INT,

TotalAmount DECIMAL(10, 2),

FOREIGN KEY (CustomerID) REFERENCES Customer(CustomerID),

FOREIGN KEY (TimePeriodID) REFERENCES TimePeriod(TimePeriodID)

);

-- PurchaseProduct table

CREATE TABLE PurchaseProduct (

PurchaseID INT,

ProductID INT,

PRIMARY KEY (PurchaseID, ProductID),

FOREIGN KEY (PurchaseID) REFERENCES Purchase(PurchaseID),

FOREIGN KEY (ProductID) REFERENCES Product(ProductID)

);

-- ProductRegion table

CREATE TABLE ProductRegion (

ProductID INT,

RegionID INT,

PRIMARY KEY (ProductID, RegionID),

FOREIGN KEY (ProductID) REFERENCES Product(ProductID),

FOREIGN KEY (RegionID) REFERENCES Region(RegionID)

);

-- Inventory table

CREATE TABLE Inventory (

InventoryID INT PRIMARY KEY,

ProductID INT,

StockLevel INT,

FOREIGN KEY (ProductID) REFERENCES Product(ProductID)

);