CREATE TABLE Items (

code INT PRIMARY KEY,

Decs VARCHAR(255),

UnitPrice DECIMAL(25,10),

Available INT,

Saved INT,

Waiting INT,

Subscript INT,

Freq INT,

SuppDate DATE,

OrderPercnt DECIMAL(25,10)

);

CREATE TABLE Subscription (

OrderNo INT PRIMARY KEY,

[Status] VARCHAR(255),

CustID INT,

Code INT,

Quant INT,

Freq INT,

Delivery INT,

NextOrder DATE,

Expiration DATE,

FOREIGN KEY (CustID) REFERENCES Customers(CustID),

FOREIGN KEY (Code) REFERENCES Items(code)

);

CREATE TABLE Customers (

CustID INT PRIMARY KEY,

CustType VARCHAR(255),

CustStatus VARCHAR(255),

FreezCode VARCHAR(255),

OverCount INT,

CustName VARCHAR(255),

DelivAddrss VARCHAR(255),

MailAddrss VARCHAR(255),

CreditCard VARCHAR(255)

);

CREATE TABLE ExOrders (

[Date] DATE,

OrderNo INT,

CustID INT,

Code INT,

Quent INT,

Delivery INT,

[Address] VARCHAR(255),

[Status] INT,

SuppDate DATE,

PRIMARY KEY (OrderNo, [Date], CustID),

FOREIGN KEY (Code) REFERENCES Items(code),

FOREIGN KEY (OrderNo) REFERENCES Subscription(OrderNo),

FOREIGN KEY (CustID) REFERENCES Customers(CustID)

);

CREATE TABLE Invoices (

InvNo INT PRIMARY KEY,

[DATE] DATE,

OrderNo INT,

UnitDesc VARCHAR(255),

NoUnits INT,

UnitPrice DECIMAL(25,10),

TotAmount DECIMAL(25,10),

FOREIGN KEY (OrderNo) REFERENCES Subscription(OrderNo)

);

CREATE TABLE Receipt (

RecNo INT PRIMARY KEY,

PymtDate DATE,

InvNo INT,

OrderNo INT,

PaidAmt DECIMAL(25,10),

FOREIGN KEY (OrderNo) REFERENCES Subscription(OrderNo),

FOREIGN KEY (InvNo) REFERENCES Invoices(InvNo)

);

CREATE TABLE Accounting (

ReceiptNo INT PRIMARY KEY,

[Date] DATE,

Amount DECIMAL(25,10),

CrdtDebt DECIMAL(25,10),

InvNo INT,

OrderNo INT,

FOREIGN KEY (OrderNo) REFERENCES Subscription(OrderNo),

FOREIGN KEY (InvNo) REFERENCES Invoices(InvNo),

FOREIGN KEY (ReceiptNo) REFERENCES Receipt(RecNo)

);

CREATE TABLE StockOrder (

OrderNo INT,

StockDate DATE,

Code INT,

Descr VARCHAR(255),

Quant INT,

PRIMARY KEY (OrderNo, StockDate, Code), -- Composite PK

FOREIGN KEY (OrderNo) REFERENCES Subscription(OrderNo),

FOREIGN KEY (Code) REFERENCES Items(code)

);

CREATE TABLE DeliveryFees (

Delivery INT PRIMARY KEY,

[Desc] VARCHAR(255),

DelFee DECIMAL(25,10)

);

CREATE TABLE Discounts (

CustType VARCHAR(255) PRIMARY KEY,

Discnt DECIMAL(25,10)

);

CREATE TABLE Numbers (

LastOrder INT,

LastSubsc INT,

LastStock INT,

LastReciept INT,

LastInvoice INT,

PRIMARY KEY (LastOrder, LastSubsc, LastStock, LastReciept, LastInvoice) -- Composite PK

);

CREATE TABLE Profiles (

[Profile] VARCHAR(255) PRIMARY KEY,

Act VARCHAR(255)

);

CREATE TABLE Users (

UserName VARCHAR(255) PRIMARY KEY,

[Profile] VARCHAR(255),

FOREIGN KEY ([Profile]) REFERENCES Profiles([Profile])

);

INSERT INTO Items (code, Decs, UnitPrice, Available, Saved, Waiting, Subscript, Freq, SuppDate, OrderPercnt) VALUES

(1, 'Item A', 19.99, 100, 20, 5, 30, 1, '2024-08-01', 0.05),

(2, 'Item B', 29.5, 50, 10, 2, 20, 2, '2024-08-10', 0.10),

(3, 'Item C', 9.9, 200, 50, 10, 40, 3, '2024-08-15', 0.07);

INSERT INTO Subscription (OrderNo, [Status],Code, Quant, Freq, Delivery, NextOrder, Expiration) VALUES

(1001, 'Sent', 1, 10, 1, 1, '2024-09-01', '2025-01-01'),

(1002, 'NotSent',2, 5, 2, 2, '2024-09-15', '2025-02-01');

INSERT INTO Customers (CustID, CustType, CustStatus, FreezCode, OverCount, CustName, DelivAddrss, MailAddrss, CreditCard) VALUES

(1, 'Regular', 'Active', 'FZ123', 0, 'John Doe', '123 Elm St, Springfield', 'johndoe@example.com', '1234567890123456'),

(2, 'Constant', 'Inactive', 'FZ456', 1, 'Jane Smith', '456 Oak St, Springfield', 'janesmith@example.com', '2345678901234567');

INSERT INTO ExOrders ([Date], OrderNo, CustID, Code, Quent, Delivery, [Address], [Status], SuppDate) VALUES

('2024-08-05', 1001, 1, 1, 10, 1, '123 Elm St, Springfield', 1, '2024-08-01'),

('2024-08-20', 1002, 2, 2, 5, 2, '456 Oak St, Springfield', 0, '2024-08-10');

INSERT INTO Invoices (InvNo, [DATE],UnitDesc, NoUnits, UnitPrice, TotAmount) VALUES

(201, '2024-08-06', 'Item A', 10, 19.9, 199.95),

(202, '2024-08-21', 'Item B', 5, 29.9, 149.97);

INSERT INTO Receipt (RecNo, PymtDate, OrderNo, PaidAmt) VALUES

(3001, '2024-08-07', 1001, 199.95),

(3002, '2024-08-22', 1002, 149.97);

INSERT INTO Accounting (ReceiptNo, [Date], Amount, CrdtDebt) VALUES

(3001, '2024-08-07', 199.9, 0),

(3002, '2024-08-22', 149.97, 0);

INSERT INTO StockOrder (OrderNo, StockDate, Code, Descr, Quant) VALUES

(1001, '2024-08-02', 1, 'Restock of Item A', 50),

(1002, '2024-08-16', 2, 'Restock of Item B', 30);

INSERT INTO DeliveryFees (Delivery, [Desc], DelFee) VALUES

(1, 'Standard Delivery', 5.00),

(2, 'Express Delivery', 15.00);

INSERT INTO Discounts (CustType, Discnt) VALUES

('Regular', 0.05),

('Constant', 0.10);

INSERT INTO Numbers (LastOrder, LastSubsc, LastStock, LastReciept, LastInvoice) VALUES

(1002, 1002, 1002, 3002, 2002);

INSERT INTO Profiles ([Profile], Act) VALUES

('Admin', 'Administrator'),

('User', 'Regular User');

INSERT INTO Users (UserName, [Profile]) VALUES

('adminUser', 'Admin'),

('regularUser', 'User');