CREATE TABLE ChatLieu

(

MaChatLieu NVARCHAR(50) NOT NULL,

TenChatLieu NVARCHAR(50) NOT NULL,

PRIMARY KEY CLUSTERED (MaChatLieu ASC)

)

GO

CREATE TABLE Khach

(

MaKhach NVARCHAR(10) NOT NULL,

TenKhach NVARCHAR(50) NOT NULL,

DiaChi NVARCHAR(50) NOT NULL,

DienThoai NVARCHAR(50) NOT NULL,

PRIMARY KEY CLUSTERED (MaKhach ASC)

)

GO

CREATE TABLE Hang

(

MaHang NVARCHAR(50) NOT NULL,

TenHang NVARCHAR(50) NOT NULL,

MaChatLieu NVARCHAR(50) NOT NULL,

SoLuong FLOAT (53) NOT NULL,

DonGiaNhap FLOAT (53) NOT NULL,

DonGiaBan FLOAT(53) NOT NULL,

Anh NVARCHAR(200) NOT NULL,

GhiChu NVARCHAR(200) NULL,

PRIMARY KEY CLUSTERED (MaHang ASC)

)

GO

CREATE TABLE NhanVien

(

MaNhanVien NVARCHAR(50) NOT NULL,

TenNhanVien NVARCHAR(50) NOT NULL,

GioiTinh NVARCHAR(10) NOT NULL,

DiaChi NVARCHAR(50) NOT NULL,

DienThoai NVARCHAR(15) NOT NULL,

NgaySinh DATETIME NOT NULL,

PRIMARY KEY CLUSTERED (MaNhanVien ASC)

)

GO

CREATE TABLE HoaDonBan

(

MaHDBan NVARCHAR(30) NOT NULL,

MaNhanVien NVARCHAR(50) NOT NULL,

NgayBan DATETIME NOT NULL,

MaKhach NVARCHAR(10) NOT NULL,

TongTien FLOAT(53) NOT NULL,

PRIMARY KEY CLUSTERED(MaHDBan ASC)

)

GO

CREATE TABLE ChiTietHoaDon

(

MaHDBan NVARCHAR(30) NOT NULL,

MaHang NVARCHAR(50) NOT NULL,

SoLuong FLOAT(53) NOT NULL,

DonGia FLOAT(53) NOT NULL,

GiamGia FLOAT(53) NOT NULL,

ThanhTien FLOAT(53) NOT NULL,

PRIMARY KEY CLUSTERED (MaHDBan ASC, MaHang ASC)

)

GO

ALTER TABLE dbo.Hang

ADD CONSTRAINT FK\_Hang\_MaChatLieu FOREIGN KEY (MaChatLieu) REFERENCES dbo.ChatLieu (MaChatLieu)

ALTER TABLE dbo.ChiTietHoaDon

ADD CONSTRAINT FK\_ChiTietHoaDon\_MaHang FOREIGN KEY (MaHang) REFERENCES dbo.Hang(MaHang)

GO

ALTER TABLE dbo.ChiTietHoaDon

ADD CONSTRAINT FK\_ChiTietHoaDon\_MaHDBan FOREIGN KEY (MaHDBan) REFERENCES dbo.HoaDonBan(MaHDBan)

GO

ALTER TABLE dbo.HoaDonBan

ADD CONSTRAINT FK\_HoaDonBan\_MaNhanVien FOREIGN KEY (MaNhanVien) REFERENCES dbo.NhanVien(MaNhanVien)

GO

ALTER TABLE dbo.HoaDonBan

ADD CONSTRAINT FK\_HoaDonBan\_MaKhach FOREIGN KEY (MaKhach) REFERENCES dbo.Khach(MaKhach)

GO

INSERT INTO dbo.ChatLieu

(

MaChatLieu,

TenChatLieu

)

VALUES

( N'Chất Liệu 01', -- MaChatLieu - nvarchar(50)

N'Gỗ' -- TenChatLieu - nvarchar(50)

)

GO

INSERT INTO dbo.ChatLieu

(

MaChatLieu,

TenChatLieu

)

VALUES

( N'Chất Liệu 02', -- MaChatLieu - nvarchar(50)

N'Sắt' -- TenChatLieu - nvarchar(50)

)

GO

INSERT INTO dbo.HoaDonBan

(

MaHDBan,

MaNhanVien,

NgayBan,

MaKhach,

TongTien

)

VALUES

( N'Hoá Đơn 01', -- MaHDBan - nvarchar(30)

N'Nhân Viên 01', -- MaNhanVien - nvarchar(50)

GETDATE(), -- NgayBan - datetime

N'Khách 01', -- MaKhach - nvarchar(10)

100.0 -- TongTien - float

)

GO

INSERT INTO dbo.HoaDonBan

(

MaHDBan,

MaNhanVien,

NgayBan,

MaKhach,

TongTien

)

VALUES

( N'Hoá Đơn 02', -- MaHDBan - nvarchar(30)

N'Nhân Viên 02', -- MaNhanVien - nvarchar(50)

GETDATE(), -- NgayBan - datetime

N'Khách 02', -- MaKhach - nvarchar(10)

200.0 -- TongTien - float

)

GO

INSERT INTO dbo.ChiTietHoaDon

(

MaHDBan,

MaHang,

SoLuong,

DonGia,

GiamGia,

ThanhTien

)

VALUES

( N'Hoá Đơn 01', -- MaHDBan - nvarchar(30)

N'Hàng 01', -- MaHang - nvarchar(50)

1.0, -- SoLuong - float

10.0, -- DonGia - float

5.0, -- GiamGia - float

100 -- ThanhTien - float

)

GO

INSERT INTO dbo.ChiTietHoaDon

(

MaHDBan,

MaHang,

SoLuong,

DonGia,

GiamGia,

ThanhTien

)

VALUES

( N'Hoá Đơn 02', -- MaHDBan - nvarchar(30)

N'Hàng 02', -- MaHang - nvarchar(50)

2.0, -- SoLuong - float

20.0, -- DonGia - float

5.0, -- GiamGia - float

200 -- ThanhTien - float

)

GO

INSERT INTO dbo.Hang

(

MaHang,

TenHang,

MaChatLieu,

SoLuong,

DonGiaNhap,

DonGiaBan,

Anh,

GhiChu

)

VALUES

( N'Hàng 01', -- MaHang - nvarchar(50)

N'Tên Hàng 01', -- TenHang - nvarchar(50)

N'Chất Liệu 01', -- MaChatLieu - nvarchar(50)

1.0, -- SoLuong - float

10.0, -- DonGiaNhap - float

10.0, -- DonGiaBan - float

N'', -- Anh - nvarchar(200)

N'Hàng Chất Lượng' -- GhiChu - nvarchar(200)

)

GO

INSERT INTO dbo.Hang

(

MaHang,

TenHang,

MaChatLieu,

SoLuong,

DonGiaNhap,

DonGiaBan,

Anh,

GhiChu

)

VALUES

( N'Hàng 02', -- MaHang - nvarchar(50)

N'Tên Hàng 02', -- TenHang - nvarchar(50)

N'Chất Liệu 02', -- MaChatLieu - nvarchar(50)

2.0, -- SoLuong - float

20.0, -- DonGiaNhap - float

20.0, -- DonGiaBan - float

N'', -- Anh - nvarchar(200)

N'Hàng Chất Lượng 2' -- GhiChu - nvarchar(200)

)

GO

INSERT INTO dbo.Khach

(

MaKhach,

TenKhach,

DiaChi,

DienThoai

)

VALUES

( N'Khách 01', -- MaKhach - nvarchar(10)

N'Khách A', -- TenKhach - nvarchar(50)

N'Khánh Hoà', -- DiaChi - nvarchar(50)

N'0123456789' -- DienThoai - nvarchar(50)

)

GO

INSERT INTO dbo.Khach

(

MaKhach,

TenKhach,

DiaChi,

DienThoai

)

VALUES

( N'Khách 02', -- MaKhach - nvarchar(10)

N'Khách B', -- TenKhach - nvarchar(50)

N'Khánh Vĩnh', -- DiaChi - nvarchar(50)

N'0123456799' -- DienThoai - nvarchar(50)

)

GO

INSERT INTO dbo.NhanVien

(

MaNhanVien,

TenNhanVien,

GioiTinh,

DiaChi,

DienThoai,

NgaySinh

)

VALUES

( N'Nhân Viên 01', -- MaNhanVien - nvarchar(50)

N'Nhân Viên A', -- TenNhanVien - nvarchar(50)

N'Nam', -- GioiTinh - nvarchar(10)

N'Hà Nội', -- DiaChi - nvarchar(50)

N'112233445', -- DienThoai - nvarchar(15)

GETDATE() -- NgaySinh - datetime

)

GO

INSERT INTO dbo.NhanVien

(

MaNhanVien,

TenNhanVien,

GioiTinh,

DiaChi,

DienThoai,

NgaySinh

)

VALUES

( N'Nhân Viên 02', -- MaNhanVien - nvarchar(50)

N'Nhân Viên B', -- TenNhanVien - nvarchar(50)

N'Nữ', -- GioiTinh - nvarchar(10)

N'Hà Nội', -- DiaChi - nvarchar(50)

N'112233222', -- DienThoai - nvarchar(15)

GETDATE() -- NgaySinh - datetime

)

GO

CREATE TRIGGER trg\_ThemChiTietHoaDon ON dbo.ChiTietHoaDon AFTER INSERT AS

BEGIN

UPDATE dbo.ChiTietHoaDon

SET ThanhTien = (SELECT Inserted.SoLuong FROM Inserted WHERE Inserted.SoLuong = dbo.ChiTietHoaDon.MaHang) \*

(SELECT Inserted.DonGia FROM Inserted WHERE Inserted.DonGia = dbo.ChiTietHoaDon.DonGia) \*

(SELECT Inserted.GiamGia FROM Inserted WHERE Inserted.GiamGia = dbo.ChiTietHoaDon.GiamGia) \* 0.01

FROM dbo.ChiTietHoaDon JOIN Inserted ON dbo.ChiTietHoaDon.MaHang = Inserted.MaHang

END

GO

CREATE TRIGGER trg\_SuaChiTietHoaDon ON dbo.ChiTietHoaDon AFTER UPDATE AS

BEGIN

UPDATE dbo.ChiTietHoaDon

SET ThanhTien = (SELECT SoLuong FROM Inserted WHERE Inserted.SoLuong = dbo.ChiTietHoaDon.MaHang) \*

(SELECT Deleted.DonGia FROM Deleted WHERE Deleted.DonGia = dbo.ChiTietHoaDon.DonGia) \*

(SELECT Deleted.GiamGia FROM Deleted WHERE Deleted.GiamGia = dbo.ChiTietHoaDon.GiamGia) \* 0.01

FROM dbo.ChiTietHoaDon JOIN Deleted ON dbo.ChiTietHoaDon.MaHang = Deleted.MaHang

END

GO