

//Run SQL all script below and

CREATE DATABASE ABCCompany

CREATE TABLE KHACHHANG

```
(  
    MaKH nvarchar(5) NOT NULL PRIMARY KEY,  
    TenKH nvarchar(30) NOT NULL,  
    DiaChi nvarchar(50),  
    DT nvarchar(10) ,  
    Email nvarchar(30)  
)
```

CREATE TABLE VATTU

```
(  
    MaVT nvarchar(5) PRIMARY KEY NOT NULL,  
    TenVT nvarchar(30) NOT NULL,  
    DVT nvarchar(20),  
    GiaMua int CHECK (GiaMua>0),  
    SLTon int CHECK (SLTon>=0)  
)
```

CREATE TABLE HOADON

```
(  
    MaHD nvarchar(10) PRIMARY KEY NOT NULL,  
    Ngay datetime CHECK(Ngay<getdate()),  
    MaKH nvarchar(5) FOREIGN KEY REFERENCES KHACHHANG(MaKH),  
    TongTG int  
)
```

CREATE TABLE CHITIETHOADON

```
(  
    MaHD nvarchar(10) FOREIGN KEY REFERENCES HOADON(MaHD),  
    MaVT nvarchar(5) FOREIGN KEY REFERENCES VATTU(MaVT),
```

```

PRIMARY KEY (MaHD,MaVT),

SL int,

KhuyenMai int,

GiaBan int

)

INSERT VATTU
VALUES( 'VT01','XI MANG','BAO',50000,5000)

INSERT VATTU
VALUES( 'VT02','CAT'    ,'KHOI', 45000, 50000)

INSERT VATTU
VALUES( 'VT03','GACH ONG',    'VIEN', 120,    800000)

INSERT VATTU
VALUES( 'VT04','GACH THE',    'VIEN', 110,    800000)

INSERT VATTU
VALUES( 'VT05','DA LON',        'KHOI', 25000, 100000)

INSERT VATTU
VALUES( 'VT06','DA NHO',        'KHOI', 33000, 100000)


INSERT KHACHHANG
VALUES( 'KH01','NGUYEN THI BE',    'TAN BINH',    8457895,    'bnt@yahoo.com')

INSERT KHACHHANG
VALUES( 'KH02','LE HOANG NAM',    'BINH CHANH', 9878987,    'namlehoang @abc.com.vn')

INSERT KHACHHANG
VALUES( 'KH03','TRAN THI CHIEU',    'TAN BINH',    8457895,null    )

INSERT KHACHHANG
VALUES( 'KH04','MAI THI QUE ANH',    'BINH CHANH    ',null,null)

INSERT KHACHHANG
VALUES( 'KH05','LE VAN SANG', 'QUAN 10',    null    , 'sanglv@hcm.vnn.vn')

INSERT KHACHHANG

```

VALUES('KH06','TRAN HOANG KHAI', 'TAN BINH', 8457897 ,null)

INSERT HOADON([MaHD],[Ngay],[MaKH])

VALUES('HD001','2000-05-12', 'KH01')

INSERT HOADON([MaHD],[Ngay],[MaKH])

VALUES('HD002','2000-05-25', 'KH02')

INSERT HOADON([MaHD],[Ngay],[MaKH])

VALUES('HD003','2000-05-25','KH01')

INSERT HOADON([MaHD],[Ngay],[MaKH])

VALUES('HD004','2000-05-25','KH04')

INSERT HOADON([MaHD],[Ngay],[MaKH])

VALUES('HD005','2000-05-26','KH04')

INSERT HOADON([MaHD],[Ngay],[MaKH])

VALUES('HD006','2000-05-02','KH03')

INSERT HOADON([MaHD],[Ngay],[MaKH])

VALUES('HD007','2000-06-22','KH04')

INSERT HOADON([MaHD],[Ngay],[MaKH])

VALUES('HD008','2000-06-25','KH03')

INSERT HOADON([MaHD],[Ngay],[MaKH])

VALUES('HD009','2000-08-15','KH04')

INSERT HOADON([MaHD],[Ngay],[MaKH])

VALUES('HD010','2000-08-30','KH01')

INSERT CHITIETHOADON([MaHD],[MaVT],[SL],[GiaBan])

VALUES('HD001','VT01',5,52000)

INSERT CHITIETHOADON([MaHD],[MaVT],[SL],[GiaBan])

VALUES('HD001','VT05', 10, 30000)

INSERT CHITIETHOADON([MaHD],[MaVT],[SL],[GiaBan])

VALUES('HD002','VT03', 10000, 150)

```

INSERT CHITIETHOADON([MaHD],[MaVT],[SL],[GiaBan])
VALUES( 'HD003','VT02',      20,    55000)
INSERT CHITIETHOADON([MaHD],[MaVT],[SL],[GiaBan])
VALUES( 'HD004','VT03',      50000, 150)
INSERT CHITIETHOADON([MaHD],[MaVT],[SL],[GiaBan])
VALUES( 'HD004',      'VT04', 20000, 120)
INSERT CHITIETHOADON([MaHD],[MaVT],[SL],[GiaBan])
VALUES( 'HD005',      'VT05', 10,    30000)
INSERT CHITIETHOADON([MaHD],[MaVT],[SL],[GiaBan])
VALUES( 'HD006',      'VT04', 10000, 120)
INSERT CHITIETHOADON([MaHD],[MaVT],[SL],[GiaBan])
VALUES( 'HD007',      'VT04', 20000, 125)
INSERT CHITIETHOADON([MaHD],[MaVT],[SL],[GiaBan])
VALUES( 'HD008',      'VT01', 100,    55000)
INSERT CHITIETHOADON([MaHD],[MaVT],[SL],[GiaBan])
VALUES( 'HD009',      'VT02', 25,    48000)
INSERT CHITIETHOADON([MaHD],[MaVT],[SL],[GiaBan])
VALUES( 'HD010',      'VT01', 25,    57000)

```

Do requirements:

Group 1.

1. Write function name: StudenID_ Func1 with parameter @mavt, return the sum of sl*giaban corresponding.

Group 2.

2. Write function to return a total of the HoaDon (@MahD is a parameter)

Group 3.

3. Write procedure name: StudenId _Proc1, parameter @makh, @diachi. This procedure help user update @diachi corresponding @makh.

Group 4.

4. Write procedure to add an item into Hoadon

Group 5.

5. Write trigger name: StudenId_ Trig1 on table Chitiethoadon, when user insert data into Chitiethoadon, the trigger will update the Tongtien in HoaDon(student should add Tongtien column into Hoadon, tongtien=sum(sl*giaban).

Group 6.

6. Write view name: StudentID_View1 to extract list of customers who bought 'Gach Ong'