**Run SQL all script below and do requirements:**

1. Write function name: StudenID\_ Func1 with parameter @mavt, return the sum

of sl\*giaban corresponding.

go  
create function SE161088\_Func1

(

@mavt nvarchar(5)

)

returns int

as

begin

declare @tong int

select @tong = sum(c.SL\*c.GiaBan)

from CHITIETHOADON c

where @mavt like c.MaVT

return @tong

end

go

select dbo.SE161088\_Func1 ('VT01')

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

go

create function totalHoaDon(

@MahD nvarchar(10)

)

returns int

as

begin

declare @total int

select @total = count(MaHD)

from CHITIETHOADON

where MaHD = @MahD

return @total

end

go  
select dbo.totalHoaDon('HD005')

1. Write procedure name: StudenId \_Proc1, parameter @makh, @diachi. This procedure

help user update @diachi corresponding @makh.

go

create procedure SE161088\_Proc1

@makh nvarchar(5),

@diachi nvarchar(50)

as

update KHACHHANG

set DiaChi = @diachi

where MaKH like @makh

exec SE161088\_Proc1 'KH01', 'TAN BINH'

1. Write procedure to add an item into Hoadon

go

create procedure additemintoHD

@maHD nvarchar(10),

@maVT nvarchar(5),

@sl int,

@km int,

@giaban int

as

if ( exists (select\* from CHITIETHOADON where CHITIETHOADON.MaHD = @maHD))

begin

insert CHITIETHOADON(MaHD,MaVT,SL,KhuyenMai,GiaBan)

values (@maHD, @maVT,@sl,@km, @giaban)

end

else

print 'MaHD does not exist'

exec additemintoHD 'HD011','VT06',5,null,5000

1. 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).

go

create trigger SE161088\_Trig1 on CHITIETHOADON after insert

as

begin

update HOADON

set TongTG =

(select sum(c.SL\*c.GiaBan)

from CHITIETHOADON c

where c.MaHD = HOADON.MaHD)

end

1. Write view name: StudentID\_View1 to extract list of customers who bought ‘Gach Ong’

create view SE161088\_View1

as

select kh.MaKH, kh.TenKH, kh.DiaChi, kh.DT, kh.Email

from VATTU vt

join CHITIETHOADON cthd

on vt.MaVT = cthd.MaVT

join HOADON hd

on cthd.MaHD = hd.MaHD

join KHACHHANG kh

on hd.MaKH = kh.MaKH

where vt.TenVT like 'GACH ONG'

select \*

from SE161088\_View1

//Script

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)