CREATE DATABASE QLBH2

ON Primary

(

NAME = QLBH\_Data,

FILENAME = 'C:\Program Files\Microsoft SQL Server\MSSQL15.SQLEXPRESS01\MSSQL\DATA\QLBH2.mdf',

SIZE = 50MB,

MAXSIZE = 100MB,

FILEGROWTH = 10%

)

LOG ON

(

NAME=QLBH\_Log,

FILENAME='C:\Program Files\Microsoft SQL Server\MSSQL15.SQLEXPRESS01\MSSQL\DATA\QLBH2\_Log.ldf',

SIZE=10MB,

MAXSIZE = UNLIMITED,

FILEGROWTH = 5MB

);

USE QLBH2;

CREATE TABLE VATTU

(

MaVTu char(4) primary key,

TenVTu nvarchar(30),

DVTinh nvarchar(10),

Dongia int

)

CREATE TABLE NHACC

(

Manhacc char(4) primary key,

Tennhacc nvarchar(30),

Diachi nvarchar(30),

DienThoai char(15)

)

CREATE TABLE DONDH

(

SoDH int primary key,

NgayDH datetime,

Manhacc char(4) foreign key references NHACC

)

CREATE TABLE CTDONDH

(

SoDH int foreign key references DONDH,

MaVTu char(4) foreign key references VATTU,

SLDat int,

primary key(SoDH,MaVTu)

)

CREATE TABLE PNHAP

(

SoPN char(4) primary key,

SoDH int ,

Ngaynhap datetime

)

CREATE TABLE CTPNHAP

(

SoPN char(4) foreign key references PNHAP,

MaVTu char(4) foreign key references VATTU,

Slnhap int,

primary key(SoPN,MaVTu)

)

CREATE TABLE PXUAT

(

SoPX char(4) primary key,

Ngayxuat datetime

)

CREATE TABLE CTPXUAT

(

SoPX char(4) foreign key references PXUAT,

MaVTu char(4)foreign key references VATTU,

SLXuat int,

primary key(SoPX,MaVTu)

)

CREATE TABLE TONKHO

(

NAMTHANG char(7),

MaVTu char(4) foreign key references VATTU,

TONGNHAP int,

TONGXUAT int,

SLTonKho int

)

set dateformat ymd

insert into VATTU values

('DD01',N'ĐẦU DVD','gnhg',145),

('DD02',N'ĐẦU DVD','hgg',78),

('DD03',N'FGFG','BN',4),

('LO01',N'Loa Thùng','vhb',123),

('LO02',N'Loa Thùng','tan',44),

('LO03',N'Loa Thùng','kg',20),

('TV01',N'Tivi Sony','tan',10),

('TV02',N'Tivi Sanyo','dt',45),

('VT01',N'Gạch',N'Viên',200),

('VT02',N'Ngói',N'Viên',9),

('VT03',N'Xi măng','kg',13),

('VT04',N'Sắt','kg',80),

('VT05',N'Vôi','tấn',9),

('VT06',N'Sơn','thùng',45)

insert into NHACC values

('CC01',N'Nguyễn Văn An',null,null),

('CC02',N'Lê B',null,null),

('CC03',N'Phạm C',null,null),

('CC04',N'Nguyễn Thế',null,null),

('CC06',N'Phạm Nghị',null,null),

('CC07',N'Hồng Ánh',null,null),

('CC08',N'Nguyễn Cường',null,null),

('CC66',N'XNK ggh','gfhf','096432'),

('CC72',N'XNK ggh','gfhf','096432'),

('CC79',N'XNK ggh','gfhf','096432')

insert into DONDH values

(1,'2012/05/01','CC02'),

(2,'2012/07/15','CC02'),

(3,'2012/07/15','CC01'),

(4,'2012/04/06','CC03'),

(5,'2012/08/07','CC04'),

(6,'2014/03/03','CC01'),

(7,'2014/03/03','CC01'),

(15,'2014/01/01','CC01')

insert into CTDONDH values

(1,'VT01',100),

(1,'VT02',400),

(1,'VT03',700),

(1,'VT04',100),

(1,'VT06',100),

(2,'VT01',80),

(2,'VT02',3),

(2,'VT03',90),

(3,'VT01',250),

(3,'VT02',500),

(3,'VT03',50),

(3,'VT04',49),

(3,'VT05',2),

(4,'VT01',100),

(4,'VT02',70),

(4,'VT03',50),

(5,'VT01',100),

(5,'VT03',300),

(6,'VT01',50),

(6,'VT02',100),

(6,'VT03',50),

(6,'VT04',500),

(6,'VT05',100),

(7,'VT01',80),

(15,'VT01',80),

(15,'VT02',15),

(15,'VT03',17)

insert into PNHAP values

('PN01',1,'2012/07/08'),

('PN02',1,'2012/08/12'),

('PN03',1,'2012/07/12'),

('PN04',2,'2012/10/02'),

('PN05',2,'2012/07/15'),

('PN06',3,'2012/09/01'),

('PN07',4,'2012/03/05'),

('PN08',5,'2012/09/02'),

('PN09',5,'2012/10/02'),

('PN10',6,'2013/01/31'),

('PN11',19,'2014/03/03'),

('PN12',5,'2014/03/03'),

('PN13',15,'2017/04/20'),

('PN14',15,'2017/04/20'),

('PN16',15,'2017/04/20'),

('PN17',1,'2017/04/20'),

('PN18',1,'2017/04/20'),

('PN19',1,'2017/04/20'),

('PN20',15,'2017/04/03'),

('PN24',15,'2015/02/02'),

('PN26',3,'2017/12/03'),

('PN34',12,'2017/12/03')

insert into CTPNHAP values

('PN01','VT01',20),

('PN01','VT02',50),

('PN01','VT03',30),

('PN01','VT06',100),

('PN02','VT01',30),

('PN02','VT03',50),

('PN02','VT04',345),

('PN02','VT05',35),

('PN03','VT01',20),

('PN03','VT02',80),

('PN03','VT03',40),

('PN04','VT01',80),

('PN05','VT04',150),

('PN06','VT02',500),

('PN06','VT03',50),

('PN07','VT01',100),

('PN07','VT02',50),

('PN07','VT03',50),

('PN08','VT03',120),

('PN09','VT03',150),

('PN10','VT01',50),

('PN10','VT02',190),

('PN10','VT05',67)

ALTER TABLE PXUAT ADD TongTien int

insert into PXUAT values

('PX01','2012/07/02',53200),

('PX02','2013/04/06',19192),

('PX03','2013/04/06',24426),

('PX04','2017/01/01',10800),

('PX05','2015/03/03',56795),

('PX06','2015/03/03',260)

insert into CTPXUAT values

('PX01','VT01',300),

('PX01','VT03',500),

('PX02','VT01',100),

('PX02','VT02',40),

('PX02','VT03',50),

('PX02','VT05',35),

('PX03','VT01',100),

('PX03','VT02',60),

('PX03','VT03',200),

('PX03','VT04',50),

('PX04','VT01',60),

('PX05','VT01',55),

('PX05','VT02',6666),

('PX06','VT03',20),

('PX06','VT02',30)

insert into TONKHO values

('02/2010','VT02',680,100,580),

('02/2010','VT03',490,250,240),

('02/2010','VT04',150,50,100),

('02/2010','VT05',67,NULL,NULL),

('02/2010','VT06',100,null,null),

('2010/02','VT01',330,230,100),

('2010/02','VT02',680,100,580),

('2010/02','VT03',490,250,240),

('2010/02','VT04',150,50,100),

('2010/02','VT05',67,null,null),

('2010/02','VT06',100,null,null),

('2012/07','VT01',330,230,100),

('2012/07','VT02',680,100,580),

('2012/07','VT03',490,250,240),

('2012/07','VT04',150,50,100)

select \* from CTPNHAP;

-- 2.11. Hiện số lượng nhập hàng của các vật tư có đơn đặt hàng là N.

create view cau211 as

select Slnhap from

CTPNHAP C join PNHAP P on C.SoPN = P.SoPN

where SoDH = 30

drop database QLBH

use QLBH2

create procedure Cau1 @SoDH char(4), @Cau1 int output

as

select

-- cau 1 Xây dựng thủ tục tính tổng trị giá của một sodh

create PROCEDURE TT1 @SoDH CHAR(4), @TT1 INT OUTPUT

AS

SELECT @TT1 = sum(Dongia \* SLDat)

FROM CTDONDH C JOIN VATTU V ON C.MaVTu = V.MaVTu

where SoDH = @SoDH

group by SoDH

DECLARE @ttien INT

EXEC TT1 '1', @ttien OUTPUT

PRINT 'Tong tien:' + CONVERT(CHAR(7), @TTIEN)

-- cau 2 : Tạo thủ tục tính tổng tiền của 1 phiếu nhập hàng.

create PROCEDURE cau2 @SoPN CHAR(4), @cau2 INT OUTPUT

AS

SELECT @cau2 = sum(Dongia \* Slnhap)

FROM CTPNHAP C JOIN VATTU V ON C.MaVTu = V.MaVTu

where SoPN = @SoPN

group by SoPN

DECLARE @ttiennhap INT

EXEC cau2 'PN01', @ttiennhap OUTPUT

PRINT 'Tong tien:' + CONVERT(CHAR(7), @ttiennhap)

-- cau 3 : Tạo thủ tục tính tổng tiền của 1 phiếu xuất hàng.

create PROCEDURE cau3 @SoPX CHAR(4), @cau3 INT OUTPUT

AS

SELECT @cau3 = sum(Dongia \* SLXuat)

FROM CTPXUAT C JOIN VATTU V ON C.MaVTu = V.MaVTu

where SoPX = @SoPX

group by SoPX

DECLARE @ttienxuat INT

EXEC cau3 'PX01', @ttienxuat OUTPUT

PRINT 'Tong tien:' + CONVERT(CHAR(7), @ttienxuat)

-- cau 4 : Xây dựng thủ tục tính tổng số lượng nhập,

-- Tổng số lượng xuất của 1 vật tư trong tháng năm nào đó:

Alter PROCEDURE cau4 @tenvattu nvarchar(30),@ngay char(7),@cau4 int output

as

Select @cau4 = sum(Slnhap)

From CTPNHAP C

Inner join PNHAP P on C.SoPN= P.SoPN

inner join VATTU V on V.MaVTu= C.MaVTu

where convert(char(7), Ngaynhap,21)=@ngay and V.tenvtu=@tenvattu

Group by V.tenvtu

declare @tenvattu nvarchar(30), @ngay char(7),@Tong int

exec cau4 N'Gạch' ,'2012-03', @Tong output

print 'Tong tien ' + convert (char(10), @Tong)

-- Cau 5 Xây dựng thủ tục trả về danh sách các tên

-- vật tư có số lượng đặt hàng nhiều nhất trong năm tháng nào đó.

alter procedure cau5 @ngaydh nvarchar(7) , @cau5 int output

as

select SUM(SLDat)

from VATTU V join CTDONDH C on V.MaVTu = C.MaVTu

join DONDH DH on DH.SoDH = C.SoDH

where convert(char(7),NgayDH,21)= @ngaydh

group by V.MaVTu, TenVTu

order by sum(SLDat) DESC

declare @TongSLdat int

exec cau5 '2012-05', @TongSLdat output

print 'Tong sl dat la' + convert(char(10), @TongSLdat)

-- cau 6: Hiện số lượng nhập hàng của các vật tư có đơn đặt hàng là N bang cursor

create proc cau6

@s\_sodh int, @s\_cur cursor varying output

as

set @s\_cur=cursor

keyset

for

select TenVTu,sum(SLNhap)

from VATTU vt

join CTPNHAP ct on ct.MaVtu=vt.MaVTu

join PNHAP pn on pn.SoPN=ct.SoPN

where SoDH =@s\_sodh

group by vt.MaVTu,vt.TenVTu

open @s\_cur

declare @s\_tenvtu nvarchar(20),@s\_tsln int

declare @cur\_c6 cursor

exec cau6 2,@cur\_c6 output

while 0=0

begin

fetch next from @cur\_c6 into @s\_tenvtu,@s\_tsln

if @@FETCH\_STATUS <>0 break

print @s\_tenvtu+str(@s\_tsln,10)

end

close @cur\_c6

deallocate @cur\_c6

-- cau 7 Viết thủ tục tính tổng số lượng đặt hàng của 1 vật tư trong tháng năm nào đó

alter proc cau7\_1

@ngaydat nvarchar(7), @cur7 cursor varying output

as

set @cur7 = cursor

keyset

for

select TenVTu, SUM(SLDat)

from VATTU V join CTDONDH C on V.MaVTu = C.MaVTu

join DONDH DH on DH.SoDH = C.SoDH

where convert(char(7),NgayDH,21)= @ngaydat

group by V.MaVTu, TenVTu

order by sum(SLDat) DESC

open @cur7

--- chay thu tuc

declare @tenvtu nvarchar(30),@sumsldat int

declare @cur\_c7 cursor

exec cau7\_1 '2012-05', @cur\_c7 output

while 0 = 0

begin

fetch next from @cur\_c7 into @tenvtu, @sumsldat

if @@FETCH\_STATUS <>0 break

print @tenvtu + ' ' + convert(char(7), @sumsldat)

end

close @cur\_c7

deallocate @cur\_c7