Nhóm 8

Nguyễn Như Tú MSSV: [20110250](mailto:20110250@student.hcmute.edu.vn)

Lê Tuấn Nghĩa MSSV: 20133072

Lê Phúc Hậu MSSV: [20110278](mailto:20110278@student.hcmute.edu.vn)

Trần Đông Thịnh MSSV: [19110466](mailto:19110466@student.hcmute.edu.vn)

**BÁO CÁO PHẦN 3**

**SQL:**

create database PhanMemBanGiay

go

use PhanMemBanGiay

go

create table dbo.HANGGIAY

(

idHangGiay int primary key,

tenHangGiay nvarchar(150) not null,

status int not null,

)

GO

create table dbo.LOAIGIAY

(

idLoaiGiay int primary key,

maLoaiGiay varchar(50) not null,

tenLoaiGiay nvarchar(150) not null,

idHangGiay int foreign key references dbo.HANGGIAY(idHangGiay),

khuyenMai int not null, /\* thiet lap tu 0 -> 100 \*/

status int not null,

)

GO

create table dbo.GIAY

(

idGiay int primary key,

maGiay varchar(50) not null,

tenGiay nvarchar(150) not null,

idLoaiGiay int foreign key references dbo.LOAIGIAY(idLoaiGiay),

mauSac nvarchar(20) not null,

size int not null, /\* thiet lap tu 34 -> 45 \*/

soLuong int not null,

giaBan float not null,

khuyenMai int not null, /\* thiet lap tu 0 -> 100 \*/

tienKhuyenMai float not null,

tienSauKhuyenMai float not null, /\* thiet lap trigger de tinh ra tien sau KM \*/

status int not null,

)

GO

create table dbo.NHACUNGCAP

(

idNCC int primary key,

tenNCC nvarchar(150) not null,

sdt varchar(20) not null,

email varchar(150) not null,

diaChi nvarchar(250) not null,

status int not null,

)

GO

create table dbo.NHANVIEN

(

idNV int primary key,

tenNV nvarchar(150) not null,

username varchar(50) not null,

password varchar(500) not null,

sdt varchar(20) not null,

email varchar(150) not null,

phanQuyen int not null,

status int not null,

)

GO

create table dbo.NHAPKHO

(

idNhapKho int primary key,

idNV int foreign key references dbo.NHANVIEN (idNV),

idNCC int foreign key references dbo.NHACUNGCAP(idNCC),

ngayNhapKho date not null,

tongSoLuong int not null,

thanhTien float not null,

status int not null,

)

GO

create table dbo.CHITIETPHIEUNHAPKHO

(

idChiTietPNK int primary key,

idNhapKho int foreign key references dbo.NHAPKHO (idNhapKho),

idGiay int foreign key references dbo.GIAY (idGiay),

soLuong int not null,

donGiaGoc float not null,

thanhTien float not null, /\* xu ly tinh toan thanh tien trong C#\*/

status int not null,

)

GO

create table dbo.KHACHHANG

(

idKH int primary key,

tenKH nvarchar(150) not null,

sdt varchar(20) not null,

diemThuong float not null,

status int not null,

)

GO

create table dbo.HOADON

(

idHoaDon int primary key,

idNV int foreign key references dbo.NHANVIEN (idNV),

idKH int foreign key references dbo.KHACHHANG (idKH),

tongGiaBan float not null,

diemThuong float not null,

tongTienKM float not null,

tongTienGiamGia float not null,

thanhTien float not null,

status int not null,

)

GO

create table dbo.CHITIETHOADON

(

idChiTietHoaDon int primary key,

idHoaDon int foreign key references dbo.HOADON(idHoaDon),

idGiay int foreign key references dbo.GIAY (idGiay),

soLuong int not null,

giaBan float not null,

khuyenMai int not null,

tienKhuyenMai float not null,

giaSauKhuyenMai float not null,

status int not null,

)

GO;.

**Trigger:**

--Trigger:

-- 1.Kiểm tra ràng buộc email--

create trigger tg\_kiemtraemail ON NHANVIEN

For insert, update

AS

DECLARE @email varchar (50)

SELECT @email = ne.email

From inserted ne

if (@email not like '%@%')

BEGIN

Print (N'Nhập sai email.

Vui lòng nhập lại ')

Rollback

END

--2.Trigger thêm chi tiết nhập kho

create trigger tr\_insertCTNK on CHITIETNHAPKHO

for insert

as

begin

declare @soluong int,

@dongia float,

@idgiay int,

@idChiTietPNK int,

@idNhapKho int

select @soluong=ne.soLuong,

@dongia=ne.donGia,

@idgiay = ne.idGiay,

@idChiTietPNK=idChiTietPNK,

@idNhapKho=idNhapKho

from inserted ne

update GIAY

set soLuongGiay = soLuongGiay + @soluong

where idGiay = @idgiay

update CHITIETNHAPKHO

set thanhTien=@soluong\*@dongia

where idChiTietPNK=@idChiTietPNK

update NHAPKHO

set soLuong=soluong+@soluong,

thanhTien = thanhtien+(@soluong\*@dongia)

where idNhapKho=@idNhapKho

end

--3.Trigger cập nhật/xoá chi tiết nhập kho

go

create trigger tr\_updateCTNK on CHITIETNHAPKHO

for update

as

declare @statusne int, @statusol int,

@soluongthaydoi int,

@idgiay int,

@idNhapKho int,

@idChiTietPNK int,

@dongia float,

@soluongChiTietM int

select @statusne =ne.status, @statusol =ol.status,

@soluongthaydoi=ne.soLuong - ol.soLuong,

@dongia=ne.dongia,

@soluongChiTietM=ne.soluong,

@idgiay =ne.idGiay,

@idNhapKho =ne.idNhapKho,

@idChiTietPNK=ne.idChiTietPNK

from deleted ol ,inserted ne

where ol.idChiTietPNK=ne.idChiTietPNK

if(@statusne=1 and @statusol=1) --update

begin

update CHITIETNHAPKHO

set thanhTien = thanhTien + @dongia\*@soluongthaydoi

where idChiTietPNK=@idChiTietPNK

update NHAPKHO

set soLuong = soLuong + @soluongthaydoi ,

thanhTien = thanhTien + @dongia\*@soluongthaydoi

where idNhapKho = @idNhapKho

update GIAY

set soLuongGiay = soLuongGiay + @soluongthaydoi

where idGiay=@idgiay

end

else if(@statusol=1 and @statusne=0) --xoa

begin

update CHITIETNHAPKHO

set thanhTien = 0,

soLuong = 0,

donGia = 0,

status = 0

where idChiTietPNK=@idChiTietPNK

update NHAPKHO

set soLuong = soLuong - @soluongChiTietM ,

thanhTien = thanhTien - @dongia\*@soluongChiTietM

where idNhapKho = @idNhapKho

update GIAY

set soLuongGiay = soLuongGiay - @soluongChiTietM

where idGiay=@idgiay

end

else if(@statusol=0 and @statusne=1) --Không cho khôi phục

begin

update CHITIETNHAPKHO

set thanhTien = 0,

soLuong = 0,

donGia = 0,

status = 0

where idChiTietPNK=@idChiTietPNK

end

else if(@statusol=0 and @statusne=0) --Không cho tác động khi đã xoá

begin

update CHITIETNHAPKHO

set thanhTien = 0,

soLuong = 0,

donGia = 0,

status = 0

where idChiTietPNK=@idChiTietPNK

end

--4.Trigger thêm chi tiết hoá đơn

go

create trigger tr\_insertCTHD on CHITIETHOADON

for insert

as

begin

declare @soluong int,

@dongia float,

@idgiay int,

@idChiTietHoaDon int,

@idHoaDon int,

@soluongthaydoi int

select @soluong=ne.soLuong,

@dongia=ne.donGia,

@idgiay = ne.idGiay,

@idChiTietHoaDon=idChiTietHoaDon,

@idHoaDon=idHoaDon

from inserted ne

update GIAY

set soLuongGiay = soLuongGiay - @soluong

where idGiay = @idgiay

update CHITIETHOADON

set thanhTien=@soluong\*@dongia

where idChiTietHoaDon=@idchiTietHoaDon

update HOADON

set soLuong=soluong+@soluong,

thanhTien = thanhtien+(@soluong\*@dongia)

where idHoaDon=@idHoaDon

end

--5.Trigger cập nhật/xoá chi tiết hoá đơn

go

create trigger tr\_updateCTHD on CHITIETHOADON

for update

as

declare @statusne int, @statusol int,

@soluongthaydoi int,

@idgiay int,

@idhoadon int,

@idChiTietHoaDon int,

@dongia float,

@soluongChiTietM int

select @statusne =ne.status, @statusol =ol.status,

@soluongthaydoi=ne.soLuong - ol.soLuong,

@dongia=ne.dongia,

@soluongChiTietM=ne.soluong,

@idgiay =ne.idGiay,

@idhoadon =ne.idHoaDon,

@idChiTietHoaDon=ne.idChiTietHoaDon

from deleted ol ,inserted ne

where ol.idChiTietHoaDon=ne.idChiTietHoaDon

if(@statusne=1 and @statusol=1) --update

begin

update CHITIETHOADON

set thanhTien = thanhTien + @dongia\*@soluongthaydoi

where idChiTietHoaDon=@idChiTietHoaDon

update HOADON

set soLuong = soLuong + @soluongthaydoi ,

thanhTien = thanhTien + @dongia\*@soluongthaydoi

where idHoaDon = @idhoadon

update GIAY

set soLuongGiay = soLuongGiay - @soluongthaydoi

where idGiay=@idgiay

end

else if(@statusol=1 and @statusne=0) --xoa

begin

update CHITIETHOADON

set thanhTien = 0,

soLuong = 0,

donGia = 0

where idChiTietHoaDon=@idChiTietHoaDon

update HOADON

set soLuong = soLuong - @soluongChiTietM ,

thanhTien = thanhTien - @dongia\*@soluongChiTietM

where idHoaDon = @idhoadon

update GIAY

set soLuongGiay = soLuongGiay + @soluongChiTietM

where idGiay=@idgiay

end

else if(@statusol=0 and @statusne=1) --Không cho khôi phục

begin

update CHITIETHOADON

set thanhTien = 0,

soLuong = 0,

donGia = 0

where idChiTietHoaDon=@idChiTietHoaDon

end

else if(@statusol=0 and @statusne=0) --Không cho tác động khi đã xoá

begin

update CHITIETHOADON

set thanhTien = 0,

soLuong = 0,

donGia = 0

where idChiTietHoaDon=@idChiTietHoaDon

end

--6.Kiểm tra tên giày nhập có bị trùng với giày cũ không--

go

CREATE TRIGGER tg\_kiemtratenloaigiay ON LOAIGIAY

for insert, update

AS

DECLARE @tenLoaiGiay varchar (50)

SET @tenLoaiGiay = (SELECT ne.tenLoaiGiay from inserted ne)

DECLARE @d int

SET @d = (SELECT count(tenLoaiGiay) FROM LOAIGIAY WHERE tenLoaiGiay = @tenLoaiGiay)

if (@d >1)

BEGIN

print (N' sản phẩm đã tồn tại')

rollback

end

**View:**

--VIEW (Đã kiểm tra đủ)

--1.Hien thi giay ban duoc

go

create view v\_giaybanduoc

as

select g.idGiay ,lg.tenLoaiGiay,hd.thanhTien,hd.soLuong

from CHITIETHOADON as hd ,LOAIGIAY as lg ,GIAY as g

where hd.idGiay = g.idGiay and g.idLoaiGiay =lg.idLoaiGiay

select distinct idGiay ,tenLoaiGiay ,thanhTien ,soLuong from v\_giaybanduoc

--2.Hien thi thong tin khach hang theo don hang ho da dat

go

create view v\_khachhang\_hoadon

as

select hd.idHoaDon ,kh.idKH ,kh.tenKH,kh.sdt,kh.tongTien,kh.status

from KHACHHANG as kh ,HOADON as hd

where hd.idKH =kh.idKH

select distinct \* from v\_khachhang\_hoadon

--3.Hien thi thong tin ten loai giay ,ma loai giay theo id loai giay

go

create view v\_thongtingiay

as

select LOAIGIAY.idLoaiGiay, tenLoaiGiay, maLoaiGiay,GIAY.idGiay

from LOAIGIAY,GIAY

where LOAIGIAY.idLoaiGiay = GIAY.idLoaiGiay

select \* from v\_thongtingiay order by maLoaiGiay

--4.Load danh sach kho

go

create view v\_loaddanhsachkho

as

select \*

from NHAPKHO

where NHAPKHO.status=1

select distinct \* from v\_loaddanhsachkho

**PROCEDURE:**

--1.Lấy danh sách phiếu nhập kho theo idNhapKho

go

create proc pr\_loadCTNK\_idNK @idNk int

as

begin

select \* from CHITIETNHAPKHO, GIAY

where CHITIETNHAPKHO.status=1 and CHITIETNHAPKHO.idGiay = GIAY.idGiay

and CHITIETNHAPKHO.idNhapKho = @idNk

end

execute pr\_loadCTNK\_idNK '1'

--2.Thông tin sản phẩm giày có giá bán cao nhất và thấp nhất

create proc pr\_maxGiaBanGiay

as

begin

declare @giaban float

set @giaban = (select max(giaBan) as GiaBanCaoNhat

from GIAY)

select \*from GIAY where GIAY.giaBan = @giaban

end

execute pr\_maxGiaBanGiay

--min

create proc pr\_minGiaBanGiay

as

begin

declare @giaban float

set @giaban = (select min(giaBan) as GiaBanCaoNhat

from GIAY)

select \*from GIAY where GIAY.giaBan = @giaban

end

--3. Them chi tiet hoa don

create proc pr\_ThemChiTietHoaDon @idhoadon int, @idgiay int, @soluong int, @dongia int, @thanhTien float

as

begin

insert into CHITIETHOADON (idHoaDon, idGiay, donGia, thanhTien, soLuong)

values (@idhoadon, @idgiay, @dongia,@thanhTien, @soluong)

end

--4. Thêm chi tiết nhập kho (chua co)

create proc pr\_themChiTietNhapKho

@idNhapKho int, @idGiay int, @soLuong int, @donGia float, @thanhTien float

as

begin

insert into CHITIETNHAPKHO (idNhapKho, idGiay, soLuong, donGia, thanhTien)

values (@idNhapKho, @idGiay, @soLuong, @donGia, @thanhTien)

end

execute pr\_themChiTietNhapKho '9','3','5','1000000','0'

--5.Them giay

go

create proc pr\_themgiay

@tenloaigiay nvarchar(50),@idhanggiay int,@soluonggiay int

as

begin

insert into LOAIGIAY(tenLoaiGiay,idHangGiay,soLuongLoaiGiay)

values (@tenloaigiay,@idhanggiay,@soluonggiay)

end

go

drop proc pr\_themgiay

execute pr\_themgiay 'Nike Dior','1','10'

--6. Thêm hãng giày (De lai)

create proc pr\_themHangGiay

@tenHG nvarchar(150), @status int

as

begin

insert into HANGGIAY(tenHangGiay, status)

values (@tenHG,@status)

end

execute pr\_themHangGiay 'Bitis','1'

--7. Them hoa don

create proc pr\_ThemHoaDon @idNV int, @idKH int, @ngayxuatdon date

as

begin

insert into HOADON (idNV,idKH,ngayInHoaDon)

values (@idNV, @idKH,@ngayxuatdon)

end

--8.Them khach hang

go

create proc pr\_themkhachhang

@tenkh nvarchar(50),@sdt varchar(20)

as

begin

insert into KHACHHANG(tenKH,sdt) values (@tenkh,@sdt)

end

execute pr\_themkhachhang'hieu','0906050123'

--9.Them phieu nhap kho

create proc pr\_themphieunhapkho

@idnv int ,@idNcc int, @ngaynhapkho date

as

begin

insert into NHAPKHO(idNV,idNCC,ngayNhapKho) values (@idnv ,@idNcc ,@ngaynhapkho)

end

execute pr\_themphieunhapkho '1','1','20201219'

--10.Thống kê tổng doanh thu

create proc pr\_thongKeTongDoanhThu

as

begin

select ngayInHoaDon, sum(soLuong) as TongSoLuong, sum(thanhTien) as TongThanhTien from HOADON where status=1 group by ngayInHoaDon

end

execute pr\_thongKeTongDoanhThu

--11.Xoá chi tiết hoá đơn

go

create proc pr\_XoaChiTietHoaDon @idChiTietHoaDon int

as

begin

update CHITIETHOADON set status=0 where idChiTietHoaDon =@idChiTietHoaDon

End

execute pr\_XoaChiTietHoaDon '15'

--12.Xoá toàn bộ hoá đơn (Chưa có)

go

create proc pr\_XoaToanBoHoaDon @idHoaDon int

as

begin

update HOADON set status=0 where idHoaDon = @idHoaDon

update CHITIETHOADON set status=0 where idHoaDon = @idHoaDon

End

execute pr\_XoaToanBoHoaDon '7'

--13. Thêm tài khoản nhân viên

create proc pr\_themNhanVien

@tenNV nvarchar(150), @taikhoan varchar(50), @matkhau varchar(500), @sdt varchar(20), @mail varchar(150), @phanquyen int, @status int

as

begin

insert into NHANVIEN(tenNV, username, password, sdt, email, phanQuyen, status)

values (@tenNV ,@taikhoan ,@matkhau, @sdt, @mail, @phanquyen, @status)

end

execute pr\_themNhanVien N'Nguyễn Quốc Bảo', 'bao3042', '300459', '0988720113', 'bao3042@gmail.com', '1', '1'

**Function:**

--1.ham function tra ve san pham theo id hang giay

go

create function f\_loaigiay\_nsx (@idhanggiay int)

returns table

as

return (select idLoaiGiay,maLoaiGiay,tenLoaiGiay,idHangGiay,soLuongLoaiGiay,status

from LOAIGIAY where idHangGiay =@idhanggiay)

select \* from f\_loaigiay\_nsx('1')

--2.ham tra thong tin nguoi dung qua sdt

go

create function f\_khachhang\_sdt(@sdt varchar(10))

returns table

as

return(select \* from KHACHHANG where sdt =@sdt)

select\* from f\_khachhang\_sdt('0326526984')

--3.ham tra ve tong so hoa don trong ngay --

go

create function f\_tonghoadon\_time (@day date)

returns int

as

begin

declare @tonghoadon int

select @tonghoadon =COUNT(idHoaDon) from HOADON where HOADON.ngayInHoaDon=@day

return @tonghoadon

end

go

select dbo.f\_tonghoadon\_time('20201212') as tong

--4.ham tra ve so luong don hang

go

create function f\_slhoadon()

returns int

as

begin

declare @sl int

set @sl = (select COUNT(idHoaDon) from HOADON)

return @sl

end

select dbo.f\_slhoadon() as SLDon

--5.Tính lợi nhuận trong ngày

go

create function f\_loinhuan\_ngay (@ngayban date)

returns float

as

begin

declare @soluonggiayban int ,@giaban float,@gianhap float,@loinhuan float,@tongloinhuan float

select @soluonggiayban =cthd.soLuong ,@giaban = cthd.donGia,@gianhap=ctnk.donGia

from CHITIETNHAPKHO as ctnk ,CHITIETHOADON as cthd ,HOADON as hd

where cthd.idHoaDon=hd.idHoaDon and ctnk.idGiay =ctnk.idGiay and hd.ngayInHoaDon =@ngayban and cthd.status=1

set @loinhuan = @soluonggiayban \* (@giaban -@gianhap)

set @tongloinhuan =SUM(@loinhuan)

return @tongloinhuan

end

go

select dbo.f\_loinhuan\_ngay('20201212') as tongloinhuan

--6. Tính tổng số tiền tiền khách hàng đã mua ở cửa hàng

create function [dbo].[fn\_tinhtienhoadonkhachhang] ()

returns table

as

return (SELECT KHACHHANG.tenKH, sum(HOADON.thanhTien) as tongtienkhachhang From KHACHHANG,HOADON

where KHACHHANG.idKH = HOADON.idKH

group by KHACHHANG.tenKH)

GO