CREATE DATABASE QLBanHang\_1910110 CHARACTER SET utf8 COLLATE utf8\_unicode\_ci;

USE QLBanHang\_1910110;

CREATE TABLE NHANVIEN (

MaNV VARCHAR(6) PRIMARY KEY,

HoNV VARCHAR(30),

TenNV VARCHAR(12),

GioiTinh VARCHAR(4),

NgaySinh DATE,

DiaChi VARCHAR(50),

DienThoai VARCHAR(10)

);

CREATE TABLE KHACHHANG (

MaKH VARCHAR(6) PRIMARY KEY,

HoTenKH VARCHAR(40),

DiaChi VARCHAR(50),

DienThoai VARCHAR(10)

);

CREATE TABLE HOADON (

MaHD INT(10) PRIMARY KEY,

MaKH VARCHAR(6),

FOREIGN KEY (MaKH) REFERENCES KHACHHANG(MaKH),

MaNV VARCHAR(6),

FOREIGN KEY (MaNV) REFERENCES NHANVIEN(MaNV),

NgayLapHD DATE,

NgayNhanHang DATE

);

CREATE TABLE SANPHAM (

MaSP VARCHAR(6) PRIMARY KEY,

TenSP VARCHAR(50),

DonViTinh VARCHAR(10),

DonGia DOUBLE(8,2)

);

CREATE TABLE CHITIETHD (

ID INT(10) primary key,

MaHD INT(10),

FOREIGN KEY (MaHD) REFERENCES HOADON(MaHD),

MaSP VARCHAR(6),

FOREIGN KEY (MaSP) REFERENCES SANPHAM(MaSP),

SoLuong INT(10)

);

INSERT INTO KHACHHANG VALUES

("B145","Cửa hàng số 2 Q4","20 Trần Phú Q2","086547893"),

("D100","Công ty Cổ phần Đầu tư","22 Ngô Quyền Q5","086123564"),

("L010","Cửa hàng Bách hóa Q1","155 Trần Hưng Đạo","085456123"),

("S001","Công ty XNK Hoa Hồng","123 Trần Phú","08356423"),

("S002","Công ty VHP Tân Bình","10 Lý Thường Kiệt","08554545");

INSERT INTO NHANVIEN VALUES

(1,"Lê Văn","Tám","Nam","1965-10-12","45 Trần Phú","086452345"),

(2,"Trần Thị","Lan","Nữ","1970-10-20","15 Nguyễn Trãi Q5",NULL),

(3,"Tạ Thành","Tâm","Nam","1965-12-10","20 Võ Thị Sáu","085656666"),

(4,"Ngô Thanh","Sơn","Nam","1950-12-20","122 Trần Phú",NULL),

(5,"Lê Thị","Thủy","Nữ","1970-10-10","25 Ngô Quyền","097654123");

INSERT INTO HOADON VALUES

(1,"S001",1, "1999-06-28","1999-07-10"),

(2,"L010",2, "1999-06-29","1999-07-12"),

(3,"S002",1, "1999-07-04","1999-07-12"),

(4,"B145",4, "1999-07-05","1999-07-10"),

(5,"D100",3, "1999-07-06","1999-07-20"),

(6,"S001",2, "1999-07-07","1999-07-21");

INSERT INTO SANPHAM VALUES

("B01","Bia 33","Lon",4000),

("B02","Bia Tiger","Lon",5000),

("B03","Bia Heneiken","Lon",6000),

("R01","Rượu Bình Tây","Chai",20000),

("R02","Rượu Napoleon","Chai",15000);

INSERT INTO CHITIETHD VALUES

(1,1,"B01",48),

(2,1,"R01",10),

(3,2,"B01",25),

(4,2,"B02",90),

(5,2,"B03",25),

(6,2,"R02",20),

(7,3,"B01",10),

(8,4,"B01",15),

(9,4,"R01",20),

(10,4,"R02",15),

(11,5,"B01",10),

(12,6,"R02",15);

Cau 4.1

SELECT MaNV, HoNV, TenNV, NgaySInh, DiaChi, DienThoai

FROM NHANVIEN

WHERE DienThoai IS NOT NULL;

Cau 4.1

SELECT HOADON.MaHD, HOADON.NgayLapHD, KHACHHANG.HoTenKH, CHITIETHD.MaSP, CHITIETHD.SoLuong, SANPHAM.DonGia\*CHITIETHD.SoLuong AS ThanhTien

FROM HOADON

INNER JOIN KHACHHANG

ON HOADON.MaKH=KHACHHANG.MaKH

INNER JOIN CHITIETHD

ON HOADON.MaHD=CHITIETHD.MaHD

INNER JOIN SANPHAM

ON CHITIETHD.MaSP=SANPHAM.MaSP;

Cau 5a

SELECT HOADON.MaKH, SUM(SANPHAM.DonGia\*CHITIETHD.SoLuong) AS TongSoTien

FROM HOADON

INNER JOIN CHITIETHD

ON HOADON.MaHD=CHITIETHD.MaHD

INNER JOIN SANPHAM

ON CHITIETHD.MaSP=SANPHAM.MaSP

GROUP BY HOADON.MaKH;

Cau 5b

SELECT HOADON.MaKH, COUNT(CHITIETHD.MaSP) AS SoHoaDonR02

FROM HOADON

INNER JOIN CHITIETHD

ON HOADON.MaHD= CHITIETHD. MaHD

WHERE CHITIETHD.MaSP="R02"

GROUP BY HOADON.MaKH;

Cau 5c

SELECT HOADON.MaKH, SUM(SANPHAM.DonGia\*CHITIETHD.SoLuong) AS TongSoTien

FROM HOADON

INNER JOIN CHITIETHD

ON HOADON.MaHD=CHITIETHD.MaHD

INNER JOIN SANPHAM

ON CHITIETHD.MaSP=SANPHAM.MaSP

WHERE HOADON.NgayLapHD BETWEEN "1999-07-01" AND "1999-07-31"

GROUP BY HOADON.MaKH;

Cau 5.1

SELECT MaSP, SUM(SoLuong) AS TongSoLuong

FROM CHITIETHD

GROUP BY MaSP;

Cau6.1

CREATE VIEW HoaDon\_07 AS

SELECT \*

FROM HOADON

WHERE NgayLapHD BETWEEN "1999-07-01" AND "1999-07-31"

ORDER BY MaHD;

Cau 6a

CREATE VIEW SanPhamDVT AS

SELECT \*

FROM SANPHAM

WHERE DonViTinh LIKE "Lon";

Cau 6b

UPDATE SanPhamDVT SET DonGia=Dongia\*110/100;

Cau 7.1

SELECT KHACHHANG.MaKH, KHACHHANG.HoTenKH, KHACHHANG.DiaChi, KHACHHANG.DienThoai, HOADON.NgayLapHD

FROM KHACHHANG

INNER JOIN HOADON

ON KHACHHANG.MaKH= HOADON.MaKH

WHERE HOADON.NgayLapHD BETWEEN "1999-06-01" AND "1999-06-30"

ORDER BY KHACHHANG.MaKH