Bai1:

CREATE TABLE sanpham(

IDSP INT,

TenSP VARCHAR(30),

NhomSP VARCHAR(10),

GiaBan DOUBLE

);

CREATE TABLE hoadon(

IDHD INT,

IDKH INT,

IDSP INT,

NgayMua DATE,

GiaBan DOUBLE,

SoLuong INT

);

CREATE TABLE khachhang(

IDKH INT,

HoLotKH VARCHAR(20),

TenKH VARCHAR(10),

GioTinh VARCHAR(5),

DienThoai INT,

DiaChi VARCHAR(255)

);

ALTER TABLE sanpham

ADD PRIMARY KEY (IDSP),

ADD CONSTRAINT CheckGiaBan CHECK (GiaBan > 0);

ALTER TABLE khachhang

ADD PRIMARY KEY (IDKH),

MODIFY DienThoai INT UNIQUE;

ALTER TABLE hoadon

ADD PRIMARY KEY (IDHD),

ADD CONSTRAINT FK\_hoadon\_khachhang

FOREIGN KEY (IDKH)

REFERENCES khachhang (IDKH),

ADD CONSTRAINT FK\_hoadon\_sanpham

FOREIGN KEY (IDSP)

REFERENCES sanpham (IDSP);

Bai2:

INSERT INTO sanpham VALUES

(1, 'SP1', 'Nhom1', 25000),

(2, 'SP2', 'Nhom2', 350000),

(3, 'SP3', 'Nhom3', 250000),

(4, 'SP4', 'Nhom4', 300000),

(5, 'SP5', 'Nhom5', 30000);

INSERT INTO khachhang VALUES

(1, 'Nguyen Van', 'A', 'Nam', 111111111, 'AG'),

(2, 'Nguyen Van', 'B', 'Nam', 222222222, 'CT'),

(3, 'Nguyen Van', 'C', 'Nam', 333333333, 'DT'),

(4, 'Nguyen Van', 'D', 'Nam', 444444444, 'CM'),

(5, 'Nguyen Van', 'E', 'Nam', 555555555, 'KG');

INSERT INTO hoadon VALUES

(1, 1, 1, '2020-12-12', 25000, 300),

(2, 2, 2, '2021-10-12', 350000, 50),

(3, 3, 3, '2019-12-10', 250000, 100),

(4, 4, 4, '2020-09-12', 300000, 120),

(5, 5, 5, '2020-12-12', 30000, 340);

DELETE FROM sanpham

WHERE TenSP = 'SP1';

UPDATE sanpham

SET GiaBan = GiaBan + 400000

WHERE TenSP = 'SP2';

SELECT sanpham.IDSP, sanpham.TenSP,

hoadon.SoLuong

FROM sanpham

INNER JOIN hoadon

ON hoadon.IDSP = sanpham.IDSP

HAVING MIN(hoadon.SoLuong);

SELECT COUNT(SoLuong)

AS 'So hoa don'

FROM hoadon;

SELECT sanpham.IDSP, sanpham.TenSP,

hoadon.SoLuong,

hoadon.GiaBan \* hoadon.SoLuong

AS 'Thanh Tien'

FROM sanpham

JOIN hoadon

ON hoadon.IDHD = sanpham.IDSP

WHERE sanpham.GiaBan >= 200000

AND sanpham.GiaBan <= 500000;

SELECT IDKH, CONCAT(HoLotKH, ' ', TenKH) AS 'Ten day du'

FROM khachhang

WHERE DiaChi LIKE '%Vĩnh Long%';

SELECT IDSP, TenSP, GiaBan

FROM sanpham

HAVING GiaBan > (

SELECT AVG(GiaBan)

FROM sanpham

);

SELECT IDSP, SUM(SoLuong) AS 'Tong so luong'

FROM hoadon

GROUP BY IDSP

HAVING SUM(SoLuong) > 500;

SELECT CONCAT(khachhang.HoLotKH, ' ', khachhang.TenKH)

AS 'Ten day du',

sanpham.TenSP, hoadon.SoLuong FROM khachhang

JOIN hoadon ON hoadon.IDKH = khachhang.IDKH

JOIN sanpham ON sanpham.IDSP = hoadon.IDSP

HAVING SUM(hoadon.SoLuong) IN (300, 500, 600, 800);