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);

```sql
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%';
```

```sql
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);
```