use master

go

if exists(select \* from sysdatabases where name ='QLSV\_523H0102')

drop database QLSV\_523H0102

go

create database QLSV\_523H0102

go

use QLSV\_523H0102

go

create table dmkhoa

(

makhoa char(2) not null,

tenkhoa nvarchar(20) not null

constraint pk\_dmkhoa primary key(makhoa)

)

go

create table dmmh

(

mamh char(2) not null,

tenmh nvarchar(30) not null,

sotiet tinyint not null,

constraint pk\_dmmh primary key(mamh)

)

go

create table dmsv

(

masv char(3) not null,

hosv nvarchar(30) not null,

tensv nvarchar(10) not null,

phai bit not null,

ngaysinh smalldatetime not null,

noisinh nvarchar(25) not null,

makhoa char(2) not null,

hocbong float not null,

constraint pk\_dmsv primary key(masv),

constraint fk\_dmsv\_dmkhoa foreign key(makhoa) references dmkhoa(makhoa)

)

go

create table ketqua

(

masv char(3) not null,

mamh char(2) not null,

lanthi tinyint not null,

diem decimal(4,2) not null,

constraint pk\_ketqua primary key(masv, mamh, lanthi),

constraint fk\_ketqua\_dmmh foreign key(mamh) references dmmh(mamh),

constraint fk\_ketqua\_dmsv foreign key(masv) references dmsv(masv)

)

go

sp\_tables

go

sp\_columns dmsv

go

sp\_pkeys dmsv

go

sp\_helpconstraint dmsv

go

alter table dmkhoa add namtl int

alter table dmkhoa

alter column namtl smallint

exec sp\_rename 'dmkhoa.namtl', 'NamThanhLap'

alter table dmkhoa drop column NamThanhLap

alter table dmsv drop fk\_dmsv\_dmkhoa

alter table dmsv add constraint fk\_dmsv\_dmkhoa foreign key(makhoa) references dmkhoa(makhoa)

insert into dmmh (mamh, tenmh, sotiet)

values ('01', N'Cơ sở dữ liệu', 45), ('02', N'Trí tuệ nhân tạo', 45), ('03', N'Truyền tin', 45), ('04', N'Đồ họa', 60), ('05', N'Văn phạm', 60), ('06', N'Kỹ thuật lập trình', 45)

insert into dmkhoa (makhoa, tenkhoa)

values ('AV', N'Anh Văn'), ('TH', N'Tin Học'), ('TR', N'Triết'), ('VL', N'Vật Lý')

insert into dmsv (masv, hosv, tensv, phai, ngaysinh, noisinh, makhoa, hocbong)

values ('A01', N'Nguyễn thị', N'Hải' ,1, '02/23/1993', N'Hà Nội', 'TH', 130000),

('A02', N'Trần văn', N'Chính', 0, '12/24/1992', N'Bình Định', 'VL', 150000),

('A03', N'Lê thu bạch', N'Yến', 1, '02/21/1993', N'Tp HCM', 'TH', 170000),

('A04', N'Trần anh', N'Tuấn', 0, '12/20/1994', N'Hà Nội', 'AV', 80000),

('B01', N'Trần thanh', N'Mai', 1, '08/12/1993', N'Hải Phòng', 'TR', 0),

('B02', N'Trần thị thu', N'Thủy', 1, '01/02/1994', N'Tp HCM', 'AV', 0)

insert into ketqua (masv, mamh, lanthi, diem)

values ('A01', '01', 1, 3),

('A01', '01', 2, 6),

('A01', '02', 2, 6),

('A01', '03', 1, 5),

('A02', '01', 1, 4.5),

('A02', '01', 2, 7),

('A02', '03', 1, 10),

('A02', '05', 1, 9),

('A03', '01', 1, 2),

('A03', '01', 2, 5),

('A03', '03', 1, 2.5),

('A03', '03', 2, 4),

('A04', '05', 2, 10),

('B01', '01', 1, 7),

('B01', '03', 1, 2.5),

('B01', '03', 2, 5),

('B02', '02', 1, 6),

('B02', '04', 1, 10)

update dmmh

set sotiet = 45

where tenmh = N'Văn phạm'

update dmsv

set hosv = N'Trần thanh', tensv = N'Mai'

where hosv = N'Trần thanh' and tensv = N'Kỳ'

update dmsv

set phai = 0

where phai = 1 and hosv = N'Trần thanh'and tensv = N'Mai'

update dmsv

set ngaysinh = 05/07/1990

where hosv = N'Trần thị thu' and tensv = N'Thủy'

update dmsv

set hocbong = hocbong + 100000

where makhoa = 'AV'

delete from ketqua

where lanthi = 2 and diem < 5

delete from dmsv

where not hocbong > 0