Bai1:

CREATE TABLE MonHoc (

MaMonHoc VARCHAR(4),

TenMonHoc VARCHAR(50),

MoTaMonHoc VARCHAR(255),

PhongHoc INT

);

CREATE TABLE mhsv (

ID INT,

Diem DOUBLE,

MaSV VARCHAR(4),

MaMonHoc VARCHAR(4)

);

CREATE TABLE sinhvien (

MaSV VARCHAR(4),

TenSV VARCHAR(50),

GioiTinh VARCHAR(10),

NgaySinh DATE,

QueQuan VARCHAR(255)

);

ALTER TABLE monhoc

ADD PRIMARY KEY (MaMonHoc);

ALTER TABLE sinhvien

ADD PRIMARY KEY (MaSV);

ALTER TABLE mhsv

ADD PRIMARY KEY(ID),

MODIFY ID INT AUTO\_INCREMENT;

ALTER TABLE mhsv

ADD FOREIGN KEY (MaSV)

REFERENCES sinhvien (MaSV) ON DELETE SET NULL,

ADD FOREIGN KEY (MaMonHoc)

REFERENCES monhoc (MaMonHoc) ON DELETE SET NULL;

ALTER TABLE mhsv

ADD CONSTRAINT DiemCheck CHECK(Diem >= 0 AND Diem <= 10);

Bai2:

INSERT INTO sinhvien VALUES

('SV01', 'Tran Van Hoai', 'Nam', ‘2001-09-29’, 'Ninh Kieu, TP. Can Tho'),

('SV02', 'Nguyen Van Lam', 'Nam',’ 2000-02-09’, 'Thot Not, TP. Can Tho'),

('SV03', 'Tran Thi Thu', 'Nu', ‘1991-09-08’, 'Phong Dien, TP. Can Tho'),

('SV04', 'Le Thi Huyen', 'Nu', ‘2001-11-29’, 'Ninh Kieu, TP. Can Tho'),

('SV05', 'Tran Van Hau', 'Nam', ‘1990-09-29’, 'Ninh Kieu, Dong Thap');

INSERT INTO monhoc VALUES

('MH01', 'Lap trinh javascript', 'La ngon ngu...', 201),

('MH02', 'Lap trinh C', 'La ngon ngu...', 202),

('MH03', 'Lab trinh Java', 'La ngon ngu...', 101),

('MH04', 'HMTL & CSS', 'La ngon ngu...', 201),

('MH05', 'Lap trinh PyThon', 'La ngon ngu...', 201);

INSERT INTO mhsv VALUES

(1, 9, 'SV01', 'MH01'),

(2, 8.7, 'SV01', 'MH02'),

(3, 8.3, 'SV01', 'MH03'),

(4, 9.1, 'SV02', 'MH01'),

(5, 9.2, 'SV02', 'MH02'),

(6, 9.8, 'SV02', 'MH03'),

(7, 7.5, 'SV01', 'MH01'),

(8, 6, 'SV03', 'MH01'),

(9, 6, 'SV03', 'MH01'),

(10, 8.1, 'SV03', 'MH03'),

(11, 7.8, 'SV04', 'MH01'),

(12, 6.8, 'SV04', 'MH02'),

(13, 8.2, 'SV04', 'MH03'),

(14, 7.7, 'SV05', 'MH01'),

(15, 6.8, 'SV05', 'MH02'),

(16, 8.2, 'SV05', 'MH03');

DELETE FROM mhsv

WHERE MaSV = 'SV01';

UPDATE mhsv

SET Diem = 9

WHERE MaSV = 'SV03' AND MaMonHoc ='KH03';

SELECT \* FROM sinhvien

WHERE QueQuan LIKE '%Can Tho%';

SELECT \* FROM monhoc

WHERE PhongHoc = 201;

SELECT sinhvien.\*, mhsv.Diem, mhsv.MaMonHoc

FROM sinhvien

INNER JOIN mhsv

ON sinhvien.MaSV = mhsv.MaSV

WHERE mhsv.Diem >= 8;

SELECT monhoc.MaMonHoc, monhoc.TenMonHoc,

COUNT(mhsv.MaSV) AS 'So luong'

FROM monhoc

INNER JOIN mhsv

ON mhsv.MaMonHoc = monhoc.MaMonHoc

GROUP BY mhsv.MaSV;

SELECT sinhvien.MaSV, sinhvien.TenSV,

COUNT(mhsv.MaSV) AS 'So luong'

FROM sinhvien

INNER JOIN mhsv

ON mhsv.MaSV = sinhvien.MaSV

GROUP BY mhsv.MaSV

HAVING COUNT(mhsv.MaSV) > 2;

DELETE FROM sinhvien

WHERE YEAR(NOW()) - YEAR(NgaySinh) > 30;