1. CREATE DATABASE Tên database
2. CREATE TABLE student ( id\_student INT PRIMARY KEY AUTO\_INCREMENT, full\_name
3. VARCHAR(100) NOT NULL, dob DATE, address VARCHAR(100) )
4. Đổi tên cột ALTER TABLE student CHANGE dob birthday DATE
5. Thêm cột : ALTER TABLE `student` ADD `gender` VARCHAR(10) NOT NULL
6. Xóa: ALTER TABLE student DROP gender
7. Xoá table : DROP TABLE Student
8. Thêm dữ liệu :

INSERT INTO student (id\_student, full\_name, birthday, address) VALUES (NULL, 'Brie Larson ', '1989-10-01', 'American');

1. Sửa theo id : UPDATE student SET address = 'American' WHERE id\_student = 3
2. Sửa nhiều : UPDATE student SET address = 'American', full\_name = ‘A’ WHERE id\_student = 3
3. Xoá theo id : DELETE FROM student WHERE id\_student = 3
4. Tạo khoá phụ :

CREATE TABLE sinhvien(

ma\_sv VARCHAR(10) PRIMARY KEY,

ho\_ten VARCHAR(50) NOT NULL,

que\_quan VARCHAR(50),

ngay\_sinh DATE,

ma\_lop VARCHAR(10),

FOREIGN KEY (ma\_lop) REFERENCES class(ma\_lop) )

1. Kết nối khoá phụ khoá chính 2 bảng :

CREATE TABLE sinhvien\_monhoc(

ma\_sv VARCHAR(10),

ma\_mh VARCHAR(10),

PRIMARY KEY(ma\_sv, ma\_mh),

FOREIGN KEY (ma\_sv) REFERENCES sinhvien(ma\_sv),

FOREIGN KEY (ma\_mh) REFERENCES mon\_hoc(ma\_mh) )

1. INNER JOIN :

SELECT ho\_ten, ten\_mh FROM ((sinhvien\_monhoc INNER JOIN sinhvien ON sinhvien\_monhoc.ma\_sv = sinhvien.ma\_sv) INNER JOIN mon\_hoc ON sinhvien\_monhoc.ma\_mh = mon\_hoc.ma\_mh)

1. LEFT JOIN:

SELECT title, content, name FROM author LEFT JOIN post ON post.id\_author = author.id;

1. RIGHT JOIN:

SELECT ten\_lop, ho\_ten FROM class RIGHT JOIN sinhvien ON class.ma\_lop = sinhvien.ma\_lop

1. FULL JOIN:

SELECT title, content, name FROM post FULL JOIN author ON id\_author = author.id

1. ALTER TABLE Orders

ADD FOREIGN KEY (PersonID) REFERENCES Persons(PersonID);

1. ALTER TABLE Persons

ADD PRIMARY KEY (ID);