CREATE TABLE student

(

id INT PRIMARY KEY,

Name VARCHAR(50),

Email VARCHAR(50) CHECK(Email LIKE '%@%.com')

);

CREATE TABLE course

(

course\_id INT PRIMARY KEY,

Coures\_name VARCHAR(30),

Fee INT

);

CREATE TABLE enroll

(

student\_id INT,

course\_id INT,

paid INT,

enroll\_date DATE,

CONSTRAINT rule\_1 FOREIGN KEY(student\_id) REFERENCES student(id) ON DELETE CASCADE,

Constraint rule\_2 FOREIGN KEY(course\_id) REFERENCES course(course\_id) ON DELETE SET NULL

);

ALTER TABLE enroll

MODIFY COLUMN course\_id CHAR(1);

SELECT \*

FROM student;

INSERT INTO student(id,name,email)

VALUES(1,'AN Mamun','almamun20044@gmail.com'),

(2,'Alif','abc@gmail.com'),

(3,'Ba','def@gmail.com'),

(4,'Tha','ghi@gmail.com'),

(5,'Chaa','jkl@gmail.com');

SELECT \*

FROM course;

ALTER TABLE enroll

DROP FOREIGN KEY rule\_2;

ALTER TABLE course

MODIFY course\_id CHAR(1);

ALTER TABLE enroll

MODIFY course\_id CHAR(1);

ALTER TABLE enroll

ADD CONSTRAINT rule\_2 FOREIGN KEY(course\_id)

REFERENCES course(course\_id) ON DELETE SET NULL;

INSERT INTO Course

VALUES('A','CSE',20000),

('B','EEE',25000),

('C','EME',18000),

('D','MEE',15000),

('E','CSE',20000);

SELECT \*

FROM enroll;

INSERT INTO enroll

VALUES(1,'A',TRUE,CURRENT\_DATE()),

(5,'E',TRUE,CURRENT\_DATE()),

(4,'D',TRUE,CURRENT\_DATE()),

(2,'A',TRUE,CURRENT\_DATE());

DELETE FROM course

WHERE course\_id = 'E';

DELETE FROM student

WHERE id = 4;