Задание 2

2.1 CREATE TABLE courses(student varchar(10), class varchar(25))

INSERT INTO courses VALUES('A', 'Math');

INSERT INTO courses VALUES('B', 'English');

INSERT INTO courses VALUES('C', 'Math');

INSERT INTO courses VALUES('D', 'Biology');

INSERT INTO courses VALUES('E', 'Math');

INSERT INTO courses VALUES('F', 'Computer');

INSERT INTO courses VALUES('G', 'Math');

INSERT INTO courses VALUES('H', 'Math');

INSERT INTO courses VALUES('I', 'Math');

INSERT INTO courses VALUES('A', 'Math');

SELECT class FROM courses

GROUP BY class

HAVING COUNT(DISTINCT student) > 5

2.2

CREATE TABLE salary (

    id INT PRIMARY KEY,

    name VARCHAR(50),

    sex CHAR(1),

    salary INT

);

INSERT INTO salary (id, name, sex, salary) VALUES

(1, 'A', 'm', 2500),

(2, 'B', 'f', 1500),

(3, 'C', 'm', 5500),

(4, 'D', 'f', 500);

UPDATE salary

SET sex = CASE

    WHEN sex = 'm' THEN 'f'

    WHEN sex = 'f' THEN 'm'

END;

SELECT \* FROM salary;

2.3 CREATE TABLE Person(PersonId int PRIMARY KEY, FirstName varchar(25), LastName varchar(25));

CREATE TABLE Adress(AdressId int PRIMARY KEY, PersonId int, city varchar(25), State varchar(25));

INSERT INTO Person VALUES(1,'Вася', 'Пупкин');

INSERT INTO Person VALUES(2,'Олег', 'Попкорнов');

INSERT INTO Person VALUES(3,'Владимир', 'Васин');

INSERT INTO Adress VALUES(1,1,'Москва', 'Россия');

INSERT INTO Adress VALUES(2,2,'Санкт-Петербург', 'Патриотов');

INSERT INTO Adress VALUES(3,3,'', '');

SELECT FirstName, LastName, City, State FROM Person

JOIN Adress ON Person.PersonId = Adress.PersonId

2.4

CREATE TABLE email (

    Id INT PRIMARY KEY,

    Email VARCHAR(255)

);

INSERT INTO email (Id, Email) VALUES

(1, 'a@b.com'),

(2, 'c@d.com'),

(3, 'a@b.com');

DELETE FROM email

WHERE Id NOT IN (

    SELECT MIN(Id)

    FROM email

    GROUP BY Email

);

SELECT \* FROM email;