Task

Create a new database called "School" this database should have two tables: **teachers** and **students.**

The **students** table should have columns for student_id, first_name,last_name, homeroom_number, phone,email, and graduation year.

The **teachers** table should have columns for teacher_id, first_name, last_name,

homeroom_number, department, email, and phone.

The constraints are mostly up to you, but your table constraints do have to consider the following:

1. We must have a phone number to contact students in case of an emergency.
2. We must have ids as the primary key of the tables
3. Phone numbers and emails must be unique to the individual.

Once you've made the tables, insert a student named Mark Watney (student_id=1) who has a phone number of 777-555-1234 and doesn't have an email. He graduates in 2035 and has 5 as a homeroom number.

Then insert a teacher names Jonas Salk (teacher_id = 1) who as a homeroom number of 5 and is from the Biology department. His contact info is: jsalk@school.org and a phone number of 777-555-4321.

Answers:

```
CREATE TABLE students(
        student_id SERIAL PRIMARY KEY,
        first_name VARCHAR(50) NOT NULL,
        last_name VARCHAR(50),
        homeroom_number SMALLINT,
        phone VARCHAR(15) UNIQUE NOT NULL,
        email VARCHAR(100) UNIQUE,
        grad_year TIMESTAMP
);

CREATE TABLE teachers(
        teacher_id SERIAL PRIMARY KEY,
        first_name VARCHAR(50) NOT NULL,
        last_name VARCHAR(50),
        department VARCHAR(150),
        email VARCHAR(100) UNIQUE,
        phone VARCHAR(15) UNIQUE NOT NULL
);

INSERT INTO students(first_name, last_name, homeroom_number,phone,email,grad_year)
VALUES
('Mark','Watney',5,'777-555-1234',null,'2035-01-01');

INSERT INTO teachers(first_name, last_name, department,email,phone)
VALUES
('Jonas','Salk','Biology','jsalk@school.org','777-555-4321')
```