SQL Project 1 Part 2

Q1. Create a new database called "School" this database should have two tables: teachers and students.

Answer:

Created with the pgAdmin: Object Menu -> Create -> Database OR Rt clicl Databases -> Create -> Database

Q2. The students table should have columns for student_id, first_name,last_name, homeroom_number, phone,email, and graduation year.

Answer:

```
create table students(
student_id Serial Primary Key,
first_name varchar(35),
last_name varchar(35),
homeroom_number int,
phone varchar(12) UNIQUE NOT NULL,
email varchar(256) UNIQUE,
graduation int
);
```

Q3. The teachers table should have columns for teacher_id, first_name, last_name, homeroom_number, department, email, and phone.

Answer:

```
teacher_id SERIAL PRIMARY KEY,
first_name varchar(35),
last_name varchar(35),
homeroom_number int,
department varchar(32),
```

```
email varchar(256) UNIQUE,
phone varchar(12) UNIQUE
);
```

Q4. 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.

Answer: Constraints already added in above queries

Q5. 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.

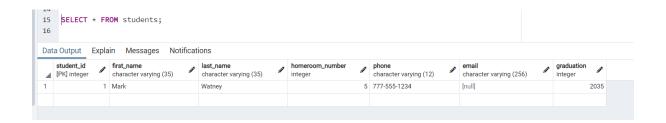
Answer:

INSERT INTO students(student_id, first_name, last_name, homeroom_number, phone, graduation)

VALUES

(1, 'Mark', 'Watney', 5, '777-555-1234', 2035);

SELECT * FROM students;



Q6. 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.

Answer:

INSERT INTO teachers(teacher_id, first_name, last_name, homeroom_number, department, email, phone)

VALUES

(1, 'Jonas', 'Salk', 5, 'Biology', 'jsalk@school.org', '777-555-4321')

SELECT *FROM teachers;

