



SQL Course catalog

SQL Course Offerings

SQL

```
1 CREATE TABLE students (
2     id SERIAL PRIMARY KEY,
3     name VARCHAR(100) NOT NULL,
4     email VARCHAR(100) UNIQUE NOT NULL,
5     gpa DECIMAL(3, 2) DEFAULT 0.0
6 );
```



SQL Course catalog

SQL Course Offerings

```
1 CREATE TABLE courses (
2     id SERIAL PRIMARY KEY,
3     title VARCHAR(150) NOT NULL,
4     instructor VARCHAR(100) NOT NULL,
5     credits INTEGER DEFAULT 3,
6     capacity INTEGER NOT NULL
7 );
```

```
1 ✓CREATE TABLE registrations (
2     id SERIAL PRIMARY KEY,
3     student_id INTEGER REFERENCES students(id) ON DELETE CASCADE,
4     course_id INTEGER REFERENCES courses(id) ON DELETE CASCADE,
5     registration_date TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
6     CONSTRAINT unique_registration UNIQUE (student_id, course_id)
7 );
```



SQL

Course catalog

SQL

Course Offerings

SQL

Stu

```
1 INSERT INTO students (name, email, gpa) VALUES
2 ('Alibi Bekov', 'alibi@mail.kz', 3.8),
3 ('Aigerim S.', 'aigera@mail.kz', 3.5);
```



SQL Course catalog

SQL Course Offerings

SQL Student Course Registrat

```
1 INSERT INTO courses (title, instructor, credits, capacity) VALUES
2 ('Object-Oriented Programming', 'Traxel Xeniya', 5, 30),
3 ('Database Systems', 'Zhandaulet Eldos', 4, 25);
```