

Problem#4_1: SQL CREATE

Create both a new database and two database tables (entities) in the new database.

Solution:

The screenshot shows a PostgreSQL client window with the title bar "Problem#2_1.sql* X" and "dvdrental/postgres@PostgreSQL 16* X". The main window displays the connection "dvdrental/postgres@PostgreSQL 16". Below the connection bar is a toolbar with icons for file operations, query execution, and other database functions. The "Query" tab is selected, showing a SQL query in a text editor. The query is as follows:

```
1 CREATE DATABASE "Keyin College"
2 WITH
3 OWNER = postgres
4 ENCODING = 'UTF8'
5 LOCALE_PROVIDER = 'libc'
6 CONNECTION LIMIT = -1
7 IS_TEMPLATE = False;
```

Below the query editor, the "Messages" tab is selected, showing the output of the query:

```
CREATE DATABASE

Query returned successfully in 203 msec.
```

Keyin College/postgres@PostgreSQL 16* X

Keyin College/postgres@PostgreSQL 16



Query Query History

```
1 CREATE TABLE public."Teachers"
2 (
3     "Teacher_ID" serial NOT NULL,
4     "Teacher_Name" character varying(80) NOT NULL,
5     PRIMARY KEY ("Teacher_ID")
6 );
7
8 ALTER TABLE IF EXISTS public."Teachers"
9     OWNER to postgres;
```

Data Output Messages Notifications

ERROR: relation "Teachers" already exists

SQL state: 42P07

Keyin College/postgres@PostgreSQL 16

No limit

Query Query History

```

1 CREATE TABLE public."Courses"
2 (
3     "Course_ID" serial NOT NULL,
4     "Course_Name" character varying(80) NOT NULL,
5     "Teacher_ID" integer NOT NULL,
6     PRIMARY KEY ("Course_ID")
7 );
8
9 ALTER TABLE IF EXISTS public."Courses"
10     OWNER to postgres;
    
```

Data Output Messages Notifications

ALTER TABLE

Query returned successfully in 33 msec.