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GEOG 574: Lab 1 – PostgreSQL Tutorial 1: GUI Admin Tool (pgAdmin 4)

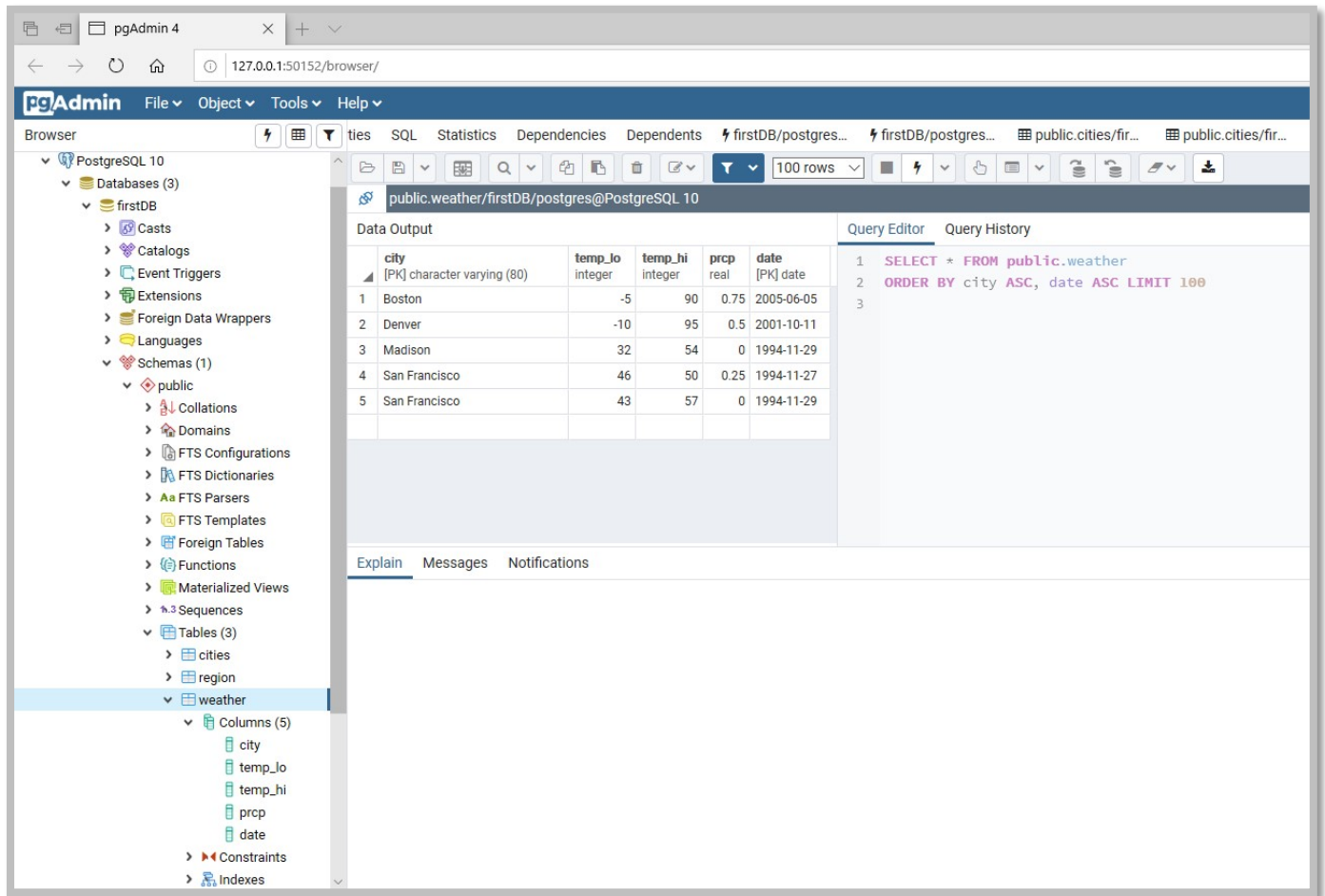
1. Task 1 was completed by manually entering two new city records for Boston and Denver into the city and weather tables.

The screenshot shows the pgAdmin 4 web interface. On the left, the 'Browser' pane displays the database structure: PostgreSQL 10 > Databases (3) > firstDB > Schemas (1) > public > Tables (3) > cities. The 'cities' table is selected, showing its columns: name and location. The main pane displays the 'Query Editor' with the following SQL query:

```
1 SELECT * FROM public.cities
2 ORDER BY name ASC LIMIT 100
3
```

Below the query editor, the 'Data Output' tab shows the results of the query in a table format:

	name [PK] character (80)	location point
1	Boston	(42.36,71.058)
2	Denver	(39.739,104.99)
3	Madison	(89.4,43.07)
4	San Fransico	(-122.43,37.78)



- Task 2 was completed by entering and executing the following script into the Query Editor in the "firstDB" database created during Part 1 of the Lab:

```

DROP TABLE IF EXISTS region;
CREATE TABLE region (
    loc      varchar(80) NOT NULL,
    id_field int,      --id number
    wind_spd real,    --wind speed
    wind_dir int,     --wind direction
    date     date NOT NULL,
    CONSTRAINT pk_city_region PRIMARY KEY (loc, date)
)WITH (
    OIDS=FALSE
);

```

