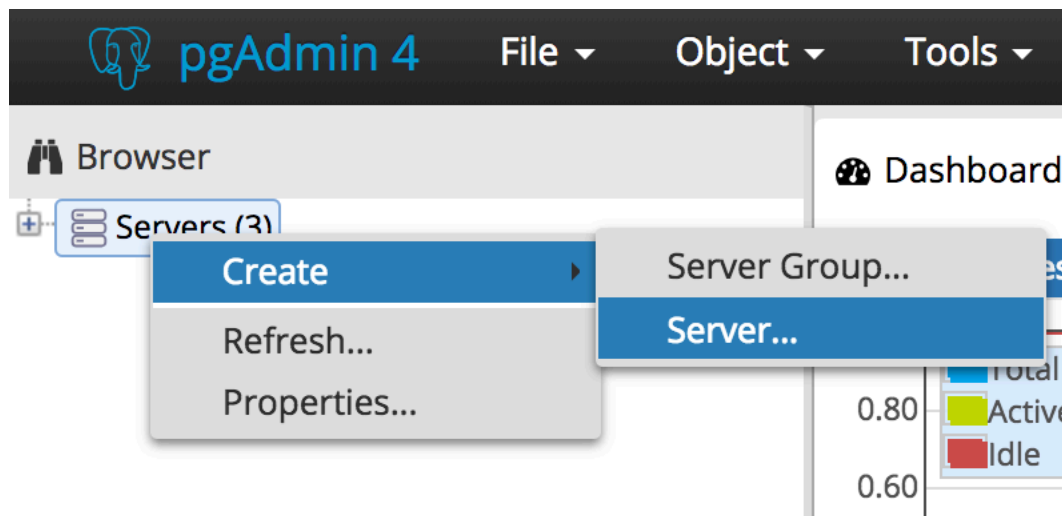


Pre-Setup: Install PostgreSQL 10 with PgAdmin4

- **Preferred method:** Utilize the enterprise DB installation to get both PgAdmin4 and Postgres 10.5 (link: <https://www.enterprisedb.com/downloads/postgres-postgresql-downloads>)
- **Alternative Method:** Install PostgreSQL 10 and PgAdmin4 separately. ○ PostgreSQL 10 (link: <https://www.postgresql.org/download/>) ○ PgAdmin 4 (link: <https://www.pgadmin.org/download/>) ■■ Windows users please use the interactive installer by EnterpriseDB (link: <https://www.postgresql.org/download/windows/>), which includes pgAdmin 4. Start PgAdmin4 and ensure the postgres server is 'running' (it generally will be by default after installation).

Step 1: Check your servers list. If you already have one named 'localhost' please SKIP THIS STEP!

Otherwise: Add your computer to the list of connections



1. Right Click on Servers and Select Create the Server
2. Under the "General" tab, give the connection a name, for example, GDI
3. Then switch to the "Connection" tab to use the hostname: "localhost" and use your username and password, or the default postgres username and password, to connect to the server.

Create - Server

General Connection SSL SSH Tunnel Advanced

Host name/address: localhost

Port: 5432

Maintenance database: postgres

Username: postgres

Password:

Save password? ☒

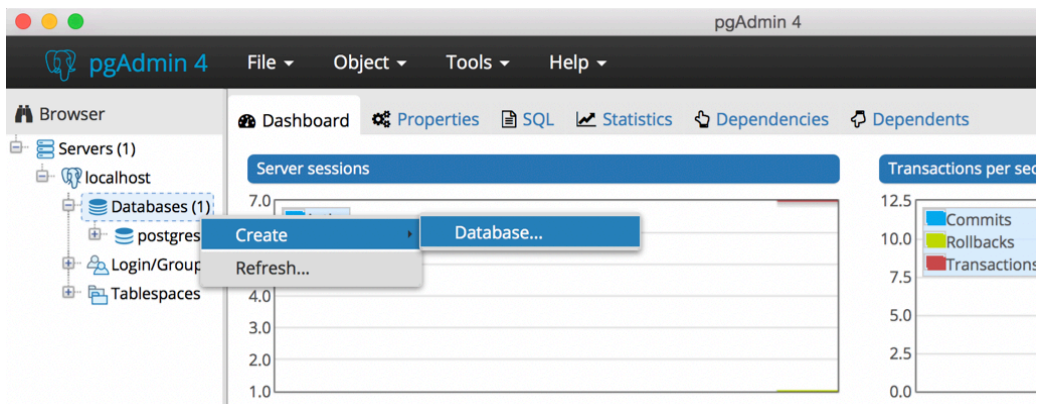
Role:

Service:

Save Cancel Reset

Step 2: Add a database to be utilized for the class

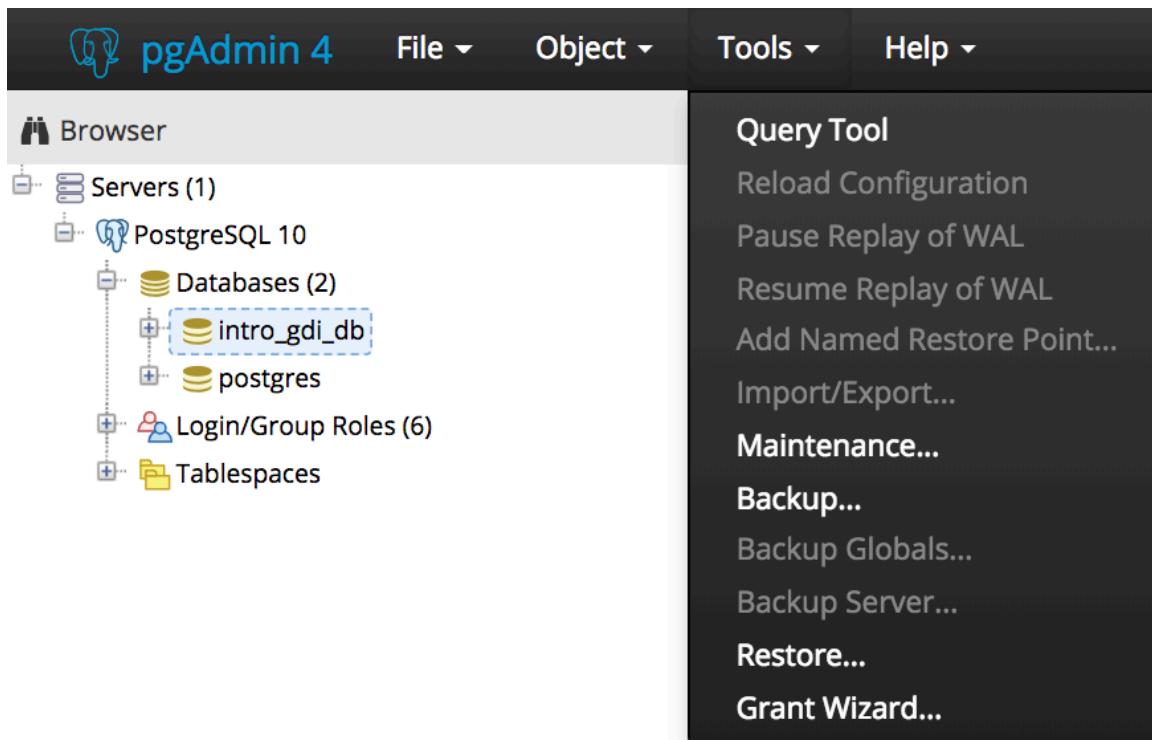
- Expand the localhost server by clicking the '+' sign
- Right-click on 'Databases' and select 'Create -> Database...'



In the general tab give the database a name, for example, intro_gdi_db

Step 3: Start the "Query Tool"

- Click on the database to 'highlight' it
- Click on the "Tools" dropdown in PgAdmin
- Select 'Query Tool' from the drop down



Step 4: Seed the database by copy pasting this entire file into the query tool and 'Execute' (the lightning bolt symbol)

- Utilize this link to get the file -
https://github.com/ebollwerk/GDI_IntroDatabasesPostgreSQL/blob/master/SampleDB
- Copy the entire file into the query tool and execute the command with F5 or the lightning bolt button.

The screenshot displays a PostgreSQL query editor window. The title bar indicates the connection is to 'intro_gdi_db on postgres@PostgreSQL 10 *'. The interface includes a top menu bar with options like Dashboard, Properties, SQL, Statistics, Dependencies, and Dependents. Below the menu is a toolbar with various icons for file operations and query execution. The main area shows a SQL query being executed:

```
1 --first setup database tables per Case Study
2 DROP TABLE IF EXISTS users CASCADE;
3 CREATE TABLE users (
4     id SERIAL PRIMARY KEY,
5     name varchar(50),
6     address text
```

Below the query editor, there is a 'Data Output' section with tabs for Explain, Messages, Notifications, and Query History. At the bottom, a green status bar with a checkmark icon indicates: 'Query returned successfully in 139 msec.'

Adopted from: <https://github.com/Jess88/Introduction-to-PostgreSQL>