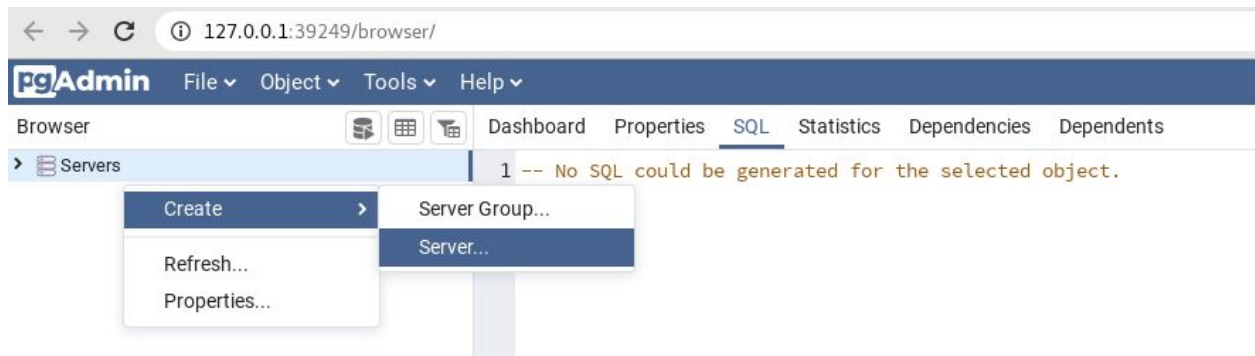


1. Go to the pgAdmin 4 interface in your browser, and locate the **Browser** menu on the left hand side. Right-click on **Servers** to open a context menu, hover your mouse over **Create**, and click **Server....**



This will cause a window to pop up in your browser in which you'll enter info about your server, role, and database.

2. In the **General** tab, enter the name for this server. This can be anything you'd like, but you may find it helpful to make it something descriptive. In our example, the server is named `postgres-9.6`.

The screenshot shows a 'Create - Server' dialog box with the 'General' tab selected. The 'Name' field contains 'postgres-9.6'. The 'Server group' dropdown is set to 'Servers'. Both 'Background' and 'Foreground' checkboxes are checked. The 'Connect now?' checkbox is also checked. There is a large empty text area for 'Comments'. At the bottom, there are buttons for 'Cancel', 'Reset', and 'Save', along with information and help icons.

Create - Server

General Connection SSL SSH Tunnel Advanced

Name: postgres-9.6

Server group: Servers

Background: ☒

Foreground: ☒

Connect now? ☒

Comments: [Empty text area]

Buttons: [i] [?] [Cancel] [Reset] [Save]

3. Next, click on the **Connection** tab. In the **Host name/address** field, enter `localhost`. The **Port** should be set to `5432` by default, which will work for this setup, as that's the default port used by PostgreSQL.
4. In the **Maintenance database** field, enter the name of the database you'd like to connect to. Note that this database must already be created on your server. Then, enter the PostgreSQL username and password you configured previously in the **Username** and **Password** fields, respectively.

Create - Server

General

Connection

SSL

SSH Tunnel

Advanced

Host name/address

localhost

Port

5432

Maintenance database

postgres

Username

postgres

Password

.....

Save password?

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Role

Service

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✕ Cancel

🔄 Reset

💾 Save

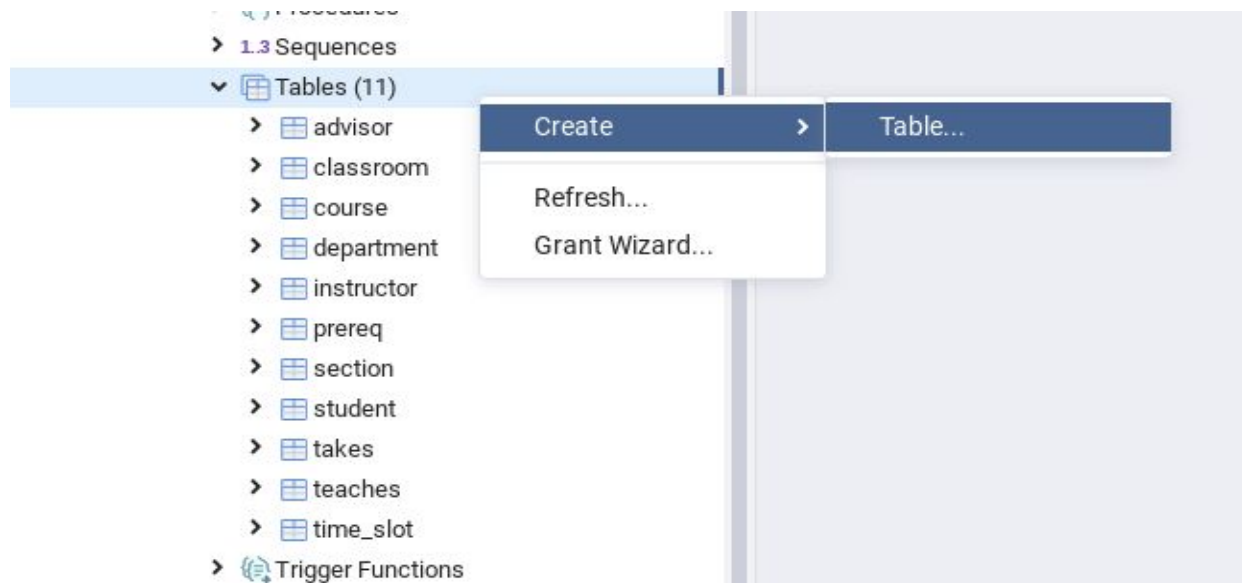
- Click the **Save** button, and the database will appear under the **Servers** in the **Browser** menu. You've successfully connected pgAdmin4 to your PostgreSQL database. You can do just about anything from the pgAdmin dashboard that you would from the PostgreSQL prompt.
- To view the tables already created in pgadmin. Expand the database drop down menu ,then schemas and tables.

Browser



- ▼ Databases (2)
 - > postgres
 - ▼ university
 - > Casts
 - > Catalogs
 - > Event Triggers
 - > Extensions
 - > Foreign Data Wrappers
 - > Languages
 - ▼ Schemas (1)
 - ▼ public
 - > Collations
 - > Domains
 - > FTS Configurations
 - > FTS Dictionaries
 - > FTS Parsers
 - > FTS Templates
 - > Foreign Tables
 - > Functions
 - > Materialized Views
 - > Procedures
 - > Sequences
 - ▼ Tables (11) ←
 - > Trigger Functions
 - > Types
 - > Views

7. You can also create new tables. Right click on tables tab and you will get options.



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Collations

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Domain

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Trigger Functions

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Refresh...

Count Rows

Delete/Drop

Drop Cascade

Reset Statistics

Import/Export...

Maintenance...

Scripts

>

Truncate

>

Backup...

Restore...

View/Edit Data

>

Query Tool...

Properties...

14

15

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17

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19

20

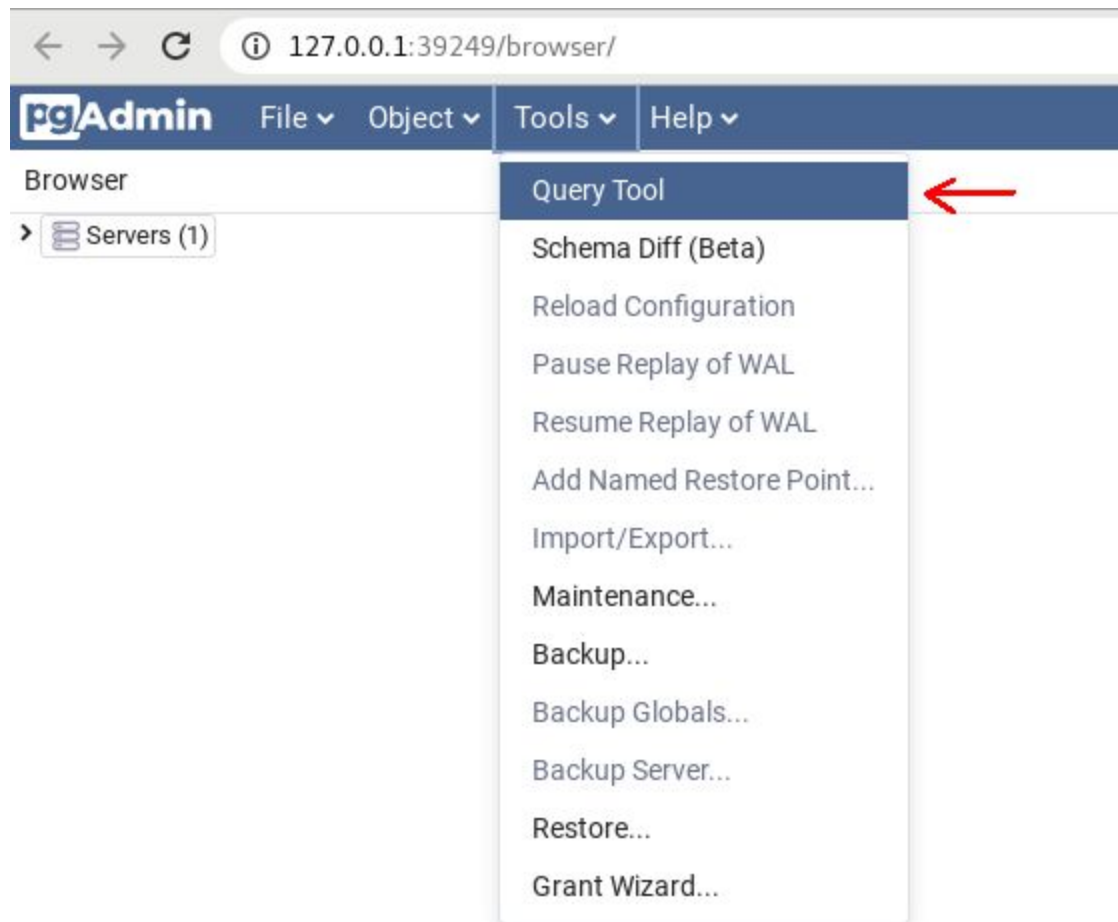
21

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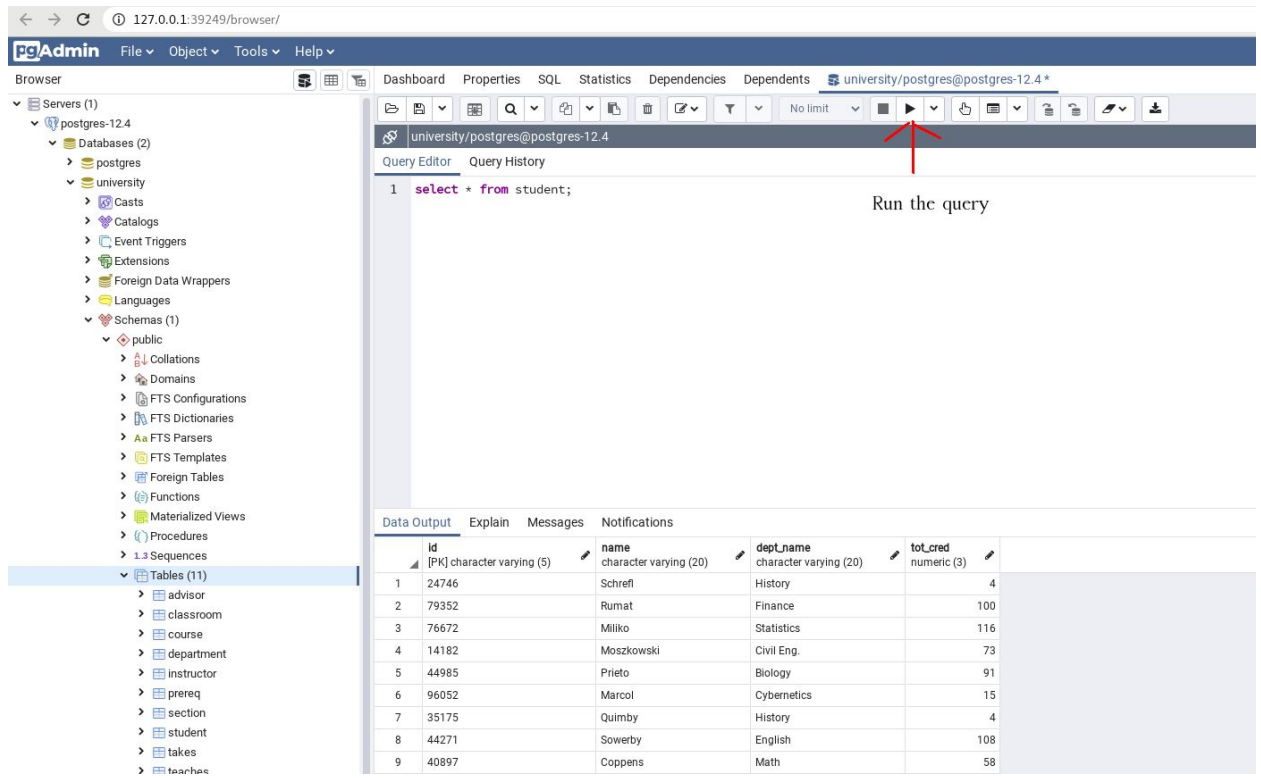
23

Data

8. To execute the query in pgAdmin. Go to Tools -> Query tool.



9. Type the query in the SQL editor and execute the query.



The screenshot shows the PgAdmin web interface. On the left is a tree view of the database structure. The main area is the 'Query Editor' for the 'university/postgres@postgres-12.4' connection. The query 'select * from student;' is entered. A red arrow points to the 'Run' button (a play icon) in the toolbar. Below the query editor, the 'Data Output' tab is active, showing the results of the query in a table.

	id	name	dept_name	tot_cred
1	24746	Schrefl	History	4
2	79352	Rumat	Finance	100
3	76672	Miliko	Statistics	116
4	14182	Moszkowski	Civil Eng.	73
5	44985	Prieto	Biology	91
6	96052	Marcol	Cybernetics	15
7	35175	Quimby	History	4
8	44271	Sowerby	English	108
9	40897	Coppens	Math	58