








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Warning: This documentation is for a pre-release version of pgAdmin 4

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View/Edit Data

To view or modify data, right click on a table or view name in the *Browser* tree control. When the context menu opens, use the *View/Edit Data* menu to specify the number of rows you would like to display in the editor panel.

public.coffee_shops/postgres/postgres@PostgreSQL 11

Query Editor Query History Scratch Pad X

```
1 SELECT * FROM public.coffee_shops
2
```

Data Output Explain Messages Notifications

	id [PK] integer	name character varying (50)	address character varying (50)	city character varying (50)	state character varying (50)	zip character varying (10)	lat numeric	lon numeric	geom geometry
1	84	Ai's Deli Cafe-Cambridge	1354 Massachusetts Ave	Cambridge	MA	02138	42.373238	-71.11834	0101000020E6100...
2	1	1369 Coffee House	1369 Cambridge St	Cambridge	MA	02141	42.373695	-71.10044	0101000020E6100...
3	2	1369 Coffee House	757 Massachusetts Ave	Cambridge	MA	02139	42.366432	-71.10543	0101000020E6100...
4	3	Acetuna Cafe	605 W Kendall St	Cambridge	MA	02142	42.36437	-71.081924	0101000020E6100...
5	4	Ai's Deli Cafe-Cambridge	1354 Massachusetts Ave	Cambridge	MA	02138	42.373238	-71.11834	0101000020E6100...
6	5	Algiers Coffee House	40 Brattle St # 3	Cambridge	MA	02138	42.37384	-71.12138	0101000020E6100...
7	6	Area Four	500 Technology Sq	Cambridge	MA	02139	42.36342	-71.091286	0101000020E6100...
8	7	B & B Snack Bar	55 Broadway	Cambridge	MA	02142	42.36341	-71.08602	0101000020E6100...
9	8	Basha Cafe	26 New St	Cambridge	MA	02138	42.387756	-71.14083	0101000020E6100...
10	9	Beantowne Coffee House	1 Kendall Sq # B2105	Cambridge	MA	02139	42.366606	-71.090858	0101000020E6100...
11	10	Boston Tea Stop	54 JFK St # 1	Cambridge	MA	02138	42.37198	-71.12067	0101000020E6100...
12	11	Broadway Marketplace LLC	468 Broadway	Cambridge	MA	02138	42.374096	-71.11313	0101000020E6100...
13	12	Cafe Avec	2269 Massachusetts Ave # 1	Cambridge	MA	02140	42.39454	-71.12708	0101000020E6100...
14	13	Cafe Pamplona	12 Bow St	Cambridge	MA	02138	42.371605	-71.1157	0101000020E6100...

To modify the content of a table, each row in the table must be uniquely identifiable. If the table definition does not include an OID or a primary key, the displayed data is read only. Note that views cannot be edited;

updatable views (using rules) are not supported.

The editor features a toolbar that allows quick access to frequently used options, and a work environment divided into two panels:

- The upper panel displays the SQL command that was used to select the content displayed in the lower panel.
- The lower panel (the Data Grid) displays the data selected from the table or view.

The View/Edit Data Toolbar

The [Query Tool](#) and [View/Edit Data](#) tools are actually different operating modes of the same tool. Some controls will be disabled in either mode. Please see [The Query Tool Toolbar](#) for a description of the available controls.

The Data Grid

The top row of the data grid displays the name of each column, the data type, and if applicable, the number of characters allowed. A column that is part of the primary key will additionally be marked with [PK].

To modify the displayed data:

- To change a numeric value within the grid, double-click the value to select the field. Modify the content in the square in which it is displayed.
- To change a non-numeric value within the grid, double-click the content to access the edit bubble. After modifying the content of the edit bubble, click the *Ok* button to display your changes in the data grid, or *Cancel* to exit the edit bubble without saving.

To enter a newline character, click Ctrl-Enter or Shift-Enter. Newline formatting is only displayed when the field content is accessed via an edit bubble.

To add a new row to the table, enter data into the last (unnumbered) row of the table. As soon as you store the data, the row is assigned a row number, and a fresh empty line is added to the data grid.

To write a SQL NULL to the table, simply leave the field empty. When you store the new row, the will server fill in the default value for that column. If you store a change to an existing row, the value NULL will explicitly be written.

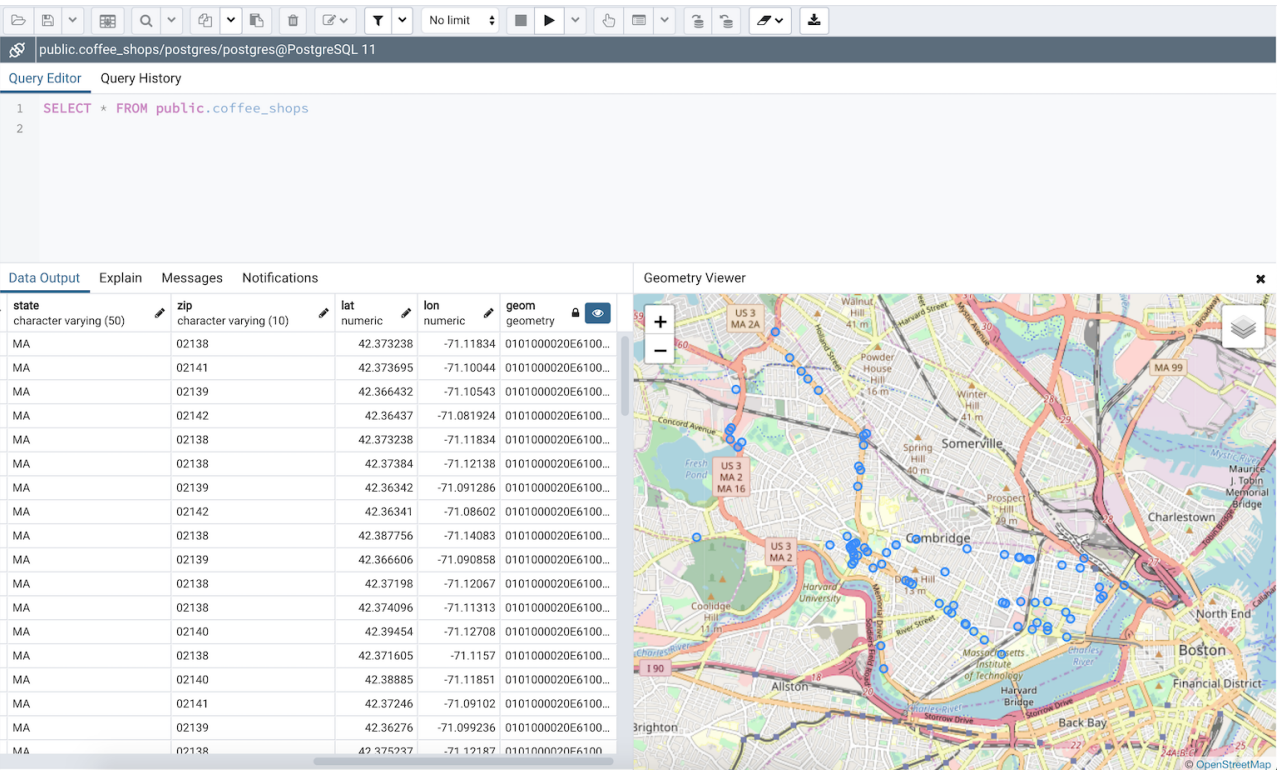
To write an empty string to the table, enter the special string " (two single quotes) in the field. If you want to write a string containing solely two single quotes to the table, you need to escape these quotes, by typing "

To delete a row, press the *Delete* toolbar button. A popup will open, asking you to confirm the deletion.

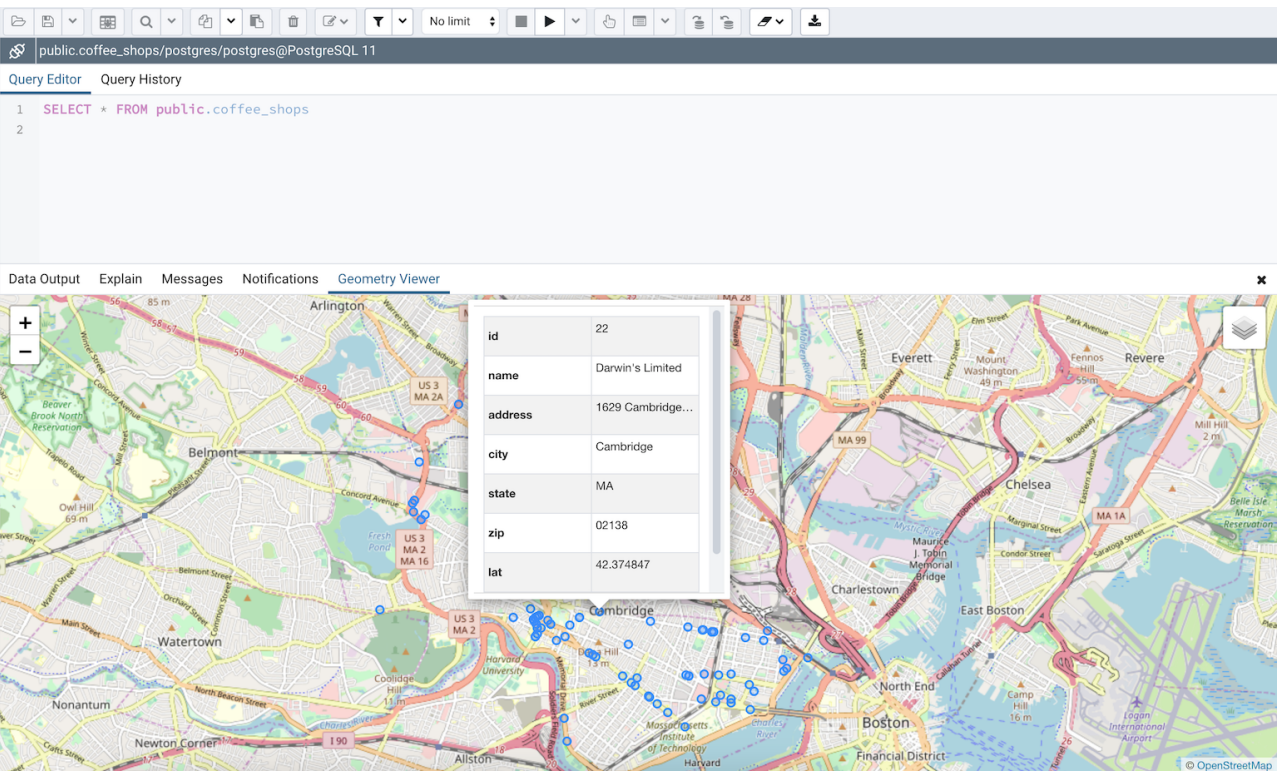
To commit the changes to the server, select the *Save Data* toolbar button.

Geometry Data Viewer

If PostGIS is installed, you can view GIS objects in a map by selecting row(s) and clicking the ‘View Geometry’ button in the column. If no rows are selected, the entire data set will be rendered:



You can adjust the layout by dragging the title of the panel. To view the properties of the geometries directly in map, just click the specific geometry:



Note

- *Supported data types:* The Geometry Viewer supports 2D and 3DM geometries in EWKB format including *Point*, *LineString*, *Polygon*, *MultiPoint*, *MultiLineString*, *MultiPolygon* and *GeometryCollection*.
- *SRIDs:* If there are geometries with different SRIDs in the same column, the viewer will render geometries with the same SRID in the map. If SRID=4326 the OSM tile layer will be added into the map.
- *Data size:* For performance reasons, the viewer will render no more than 100000 geometries, totaling up to 20MB.
- *Internet access:* An internet connection is required for the Geometry Viewer to function correctly.

Sort/Filter options dialog

You can access *Sort/Filter options dialog* by clicking on Sort/Filter button. This allows you to specify an SQL Filter to limit the data displayed and data sorting options in the edit grid window:

Sort/Filter options

General

SQL Filter: 1

Data Sorting

Column	Order
--------	-------

? Cancel OK

- Use *SQL Filter* to provide SQL filtering criteria. These will be added to the "WHERE" clause of the query used to retrieve the data. For example, you might enter:

id > 25 AND created > '2018-01-01'

- Use *Data Sorting* to sort the data in the output grid

To add new column(s) in data sorting grid, click on the [+] icon.

- Use the drop-down *Column* to select the column you want to sort.
- Use the drop-down *Order* to select the sort order for the column.

To delete a row from the grid, click the trash icon.

- Click the *Help* button (?) to access online help.
- Click the *Ok* button to save work.
- Click the *Close* button to discard current changes and close the dialog.
- [View/Edit Data Filter](#)