

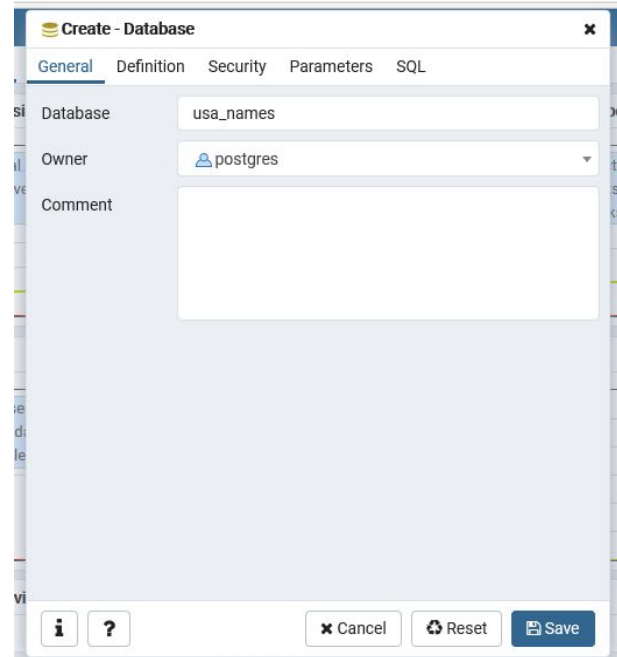
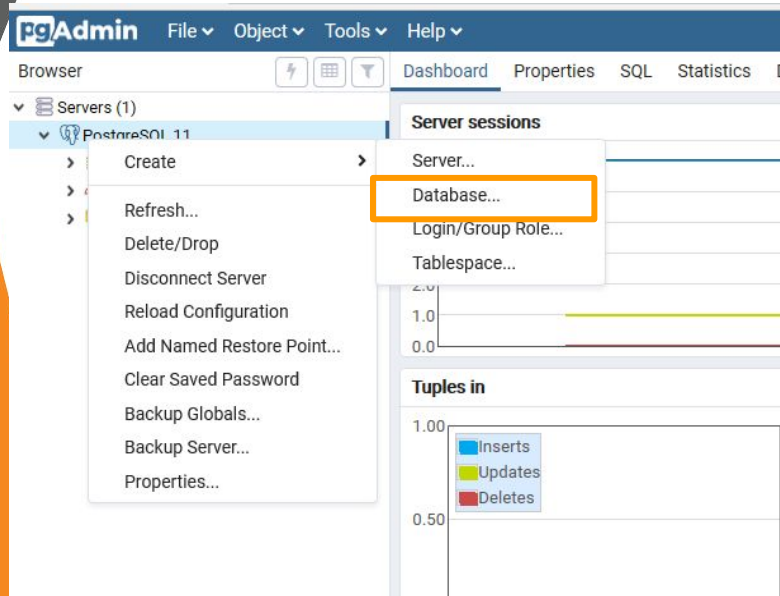
Names Database Setup

DATA ANALYTICS BOOTCAMP

NASHVILLE  SOFTWARE SCHOOL

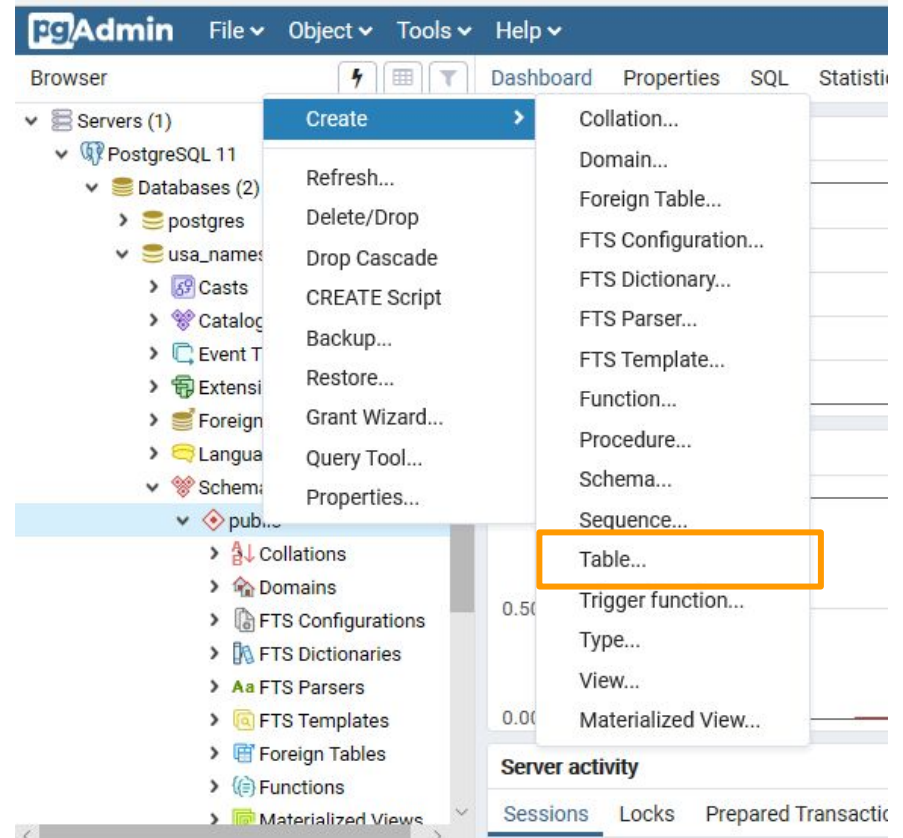
Create a Table

- Right-click on your Postgres Server and choose Create > Database
- Name this Database “usa_names”.



Create a Table









- Expand the usa_names database, right-click the public Schema, and choose Create > Table.



Create a Table

- Name this table “names”
- Go to the Columns tab and add the columns as shown.

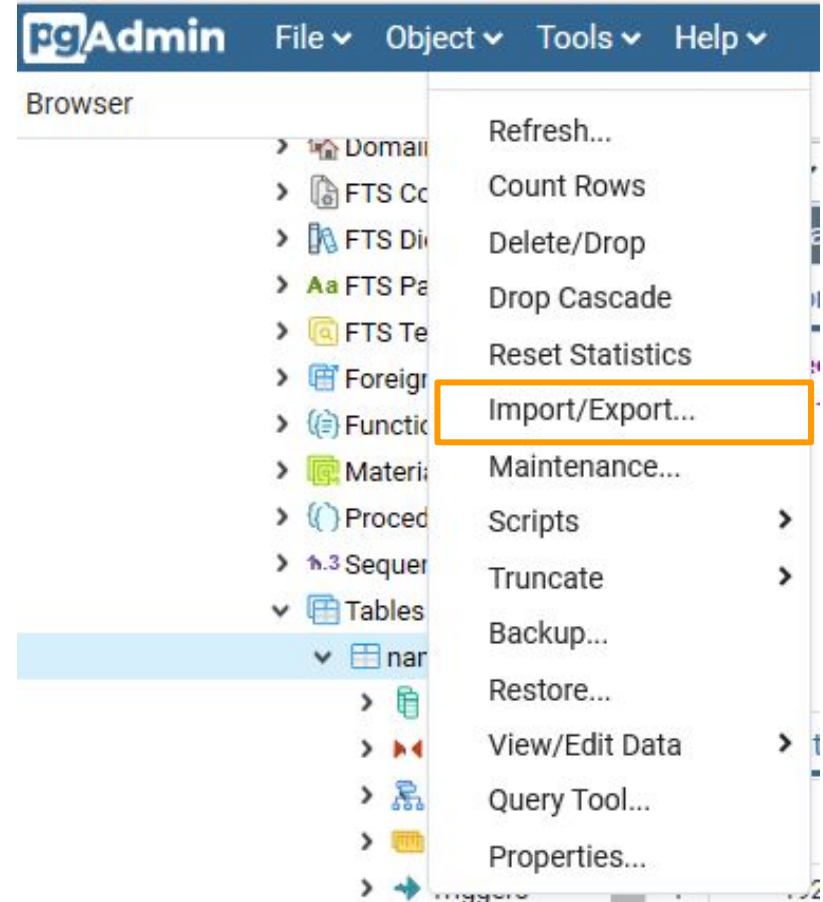
The screenshot shows a database management interface for creating a table named "names". The "Columns" tab is selected, showing a table with four columns: "name", "gender", "num_registered", and "year". Each column has a data type, length/precision, scale, and options for "Not NULL?" and "Primary key?".

	Name	Data type	Length/Precision	Scale	Not NULL?	Primary key?
 	name	text			<input type="checkbox"/> No	<input type="checkbox"/> No
 	gender	character		1	<input type="checkbox"/> No	<input type="checkbox"/> No
 	num_registered	integer			<input type="checkbox"/> No	<input type="checkbox"/> No
 	year	integer			<input type="checkbox"/> No	<input type="checkbox"/> No

At the bottom of the interface, there are buttons for "Cancel", "Reset", and "Save", along with information and help icons.

Create a Table

- Right-click on the names table and select Import/Export
- Download the USA names dataset from <https://drive.google.com/file/d/18-1x7hsWaRncGPoi257uCo3xHK3k5T-V/view?usp=sharing>



Create a Table

- Select Import (Export is selected by default)
- For Filename, click the ... button and browse to where you saved the file
- Make sure that Header is set to Yes

Import/Export data - table 'names'

Options Columns

Import/Export ☒ Import

File Info

Filename C:\Users\Michael\Documents\DS3\SQL\Exercise_1\usa_names.csv ...

Format CSV

Encoding Select an item...

Miscellaneous

OID ☐ No

Header ☒ Yes

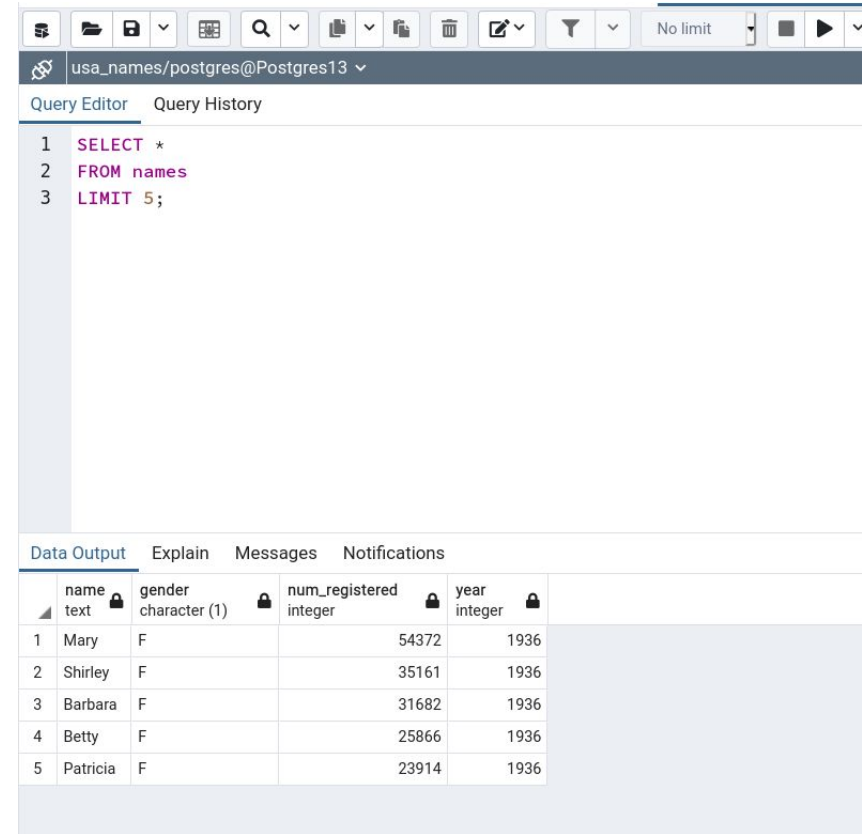
Delimiter Select from list...

Specifies the character that separates columns within each row (line) of the file. The default is a tab character in text format, a comma in CSV format. This must be a single one-byte character. This option is not allowed when using binary format.

Cancel OK

Create a Table

- To check that everything worked correctly, open the query tool and run the query “SELECT * FROM names LIMIT 5;”



The screenshot shows a PostgreSQL query tool interface. At the top, there's a toolbar with various icons for file operations, search, and execution. Below the toolbar, the connection is set to 'usa_names/postgres@Postgres13'. The 'Query Editor' tab is active, displaying the following SQL query:

```
1 SELECT *
2 FROM names
3 LIMIT 5;
```

Below the query editor, the 'Data Output' tab is selected, showing the results of the query in a table format. The table has four columns: 'name' (text), 'gender' (character (1)), 'num_registered' (integer), and 'year' (integer). The results show five rows of data:

	name	gender	num_registered	year
1	Mary	F	54372	1936
2	Shirley	F	35161	1936
3	Barbara	F	31682	1936
4	Betty	F	25866	1936
5	Patricia	F	23914	1936