Installing PostgreSQL
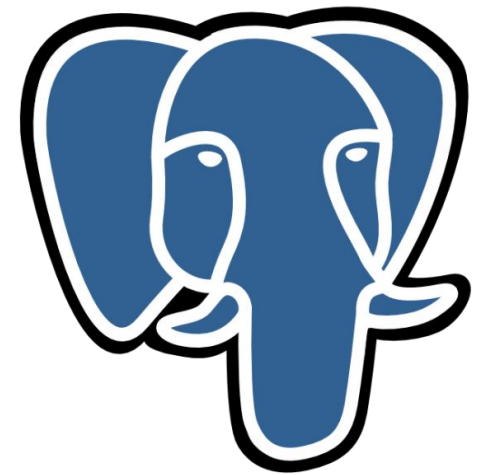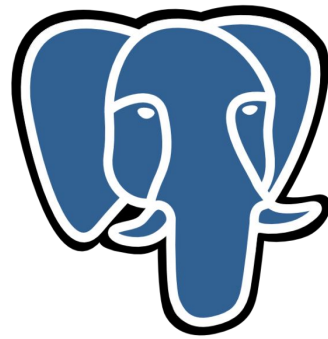
PostgreSQL

PostgreSQL is widely used, open-source Relational Database Management System originally developed in 1986 at UC Berkeley. Read about current features at https://www.postgresql.org/about/

PgAdmin is an administration and development platform for PostgreSQL

Installation of Postgres and PgAdmin

Download and install the latest stable (not beta) version of PostgreSQL for your OS:
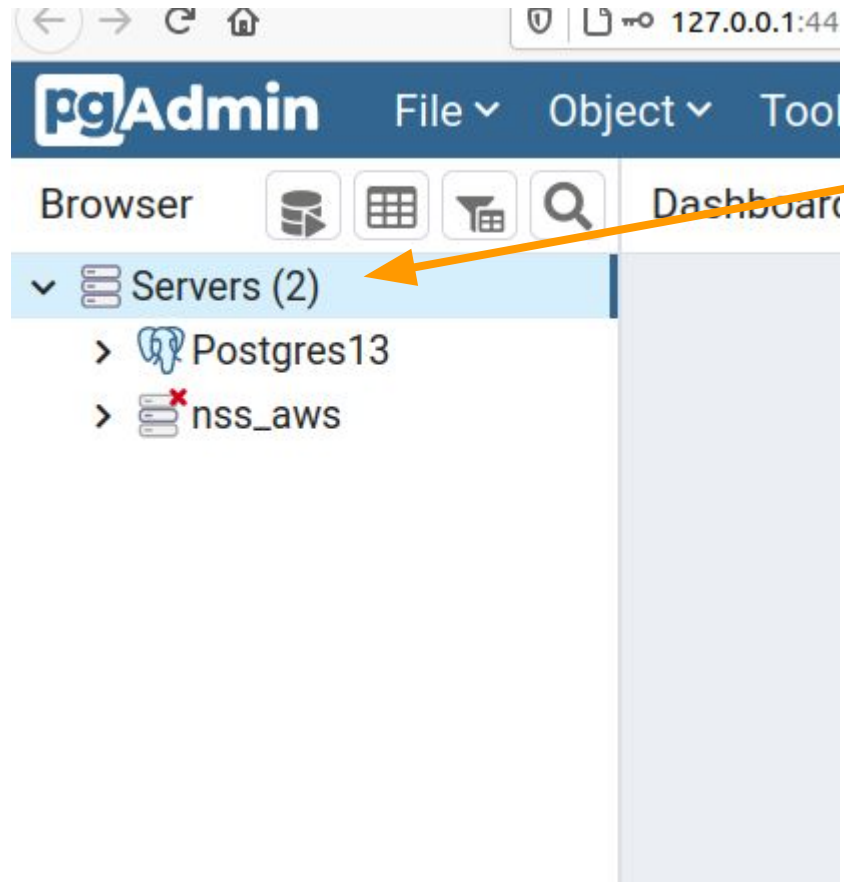https://www.enterprisedb.com/downloads/postgres-postgresql-downloads

During installation you can accept all the defaults. A few things to confirm:
1. Database Port is 5432
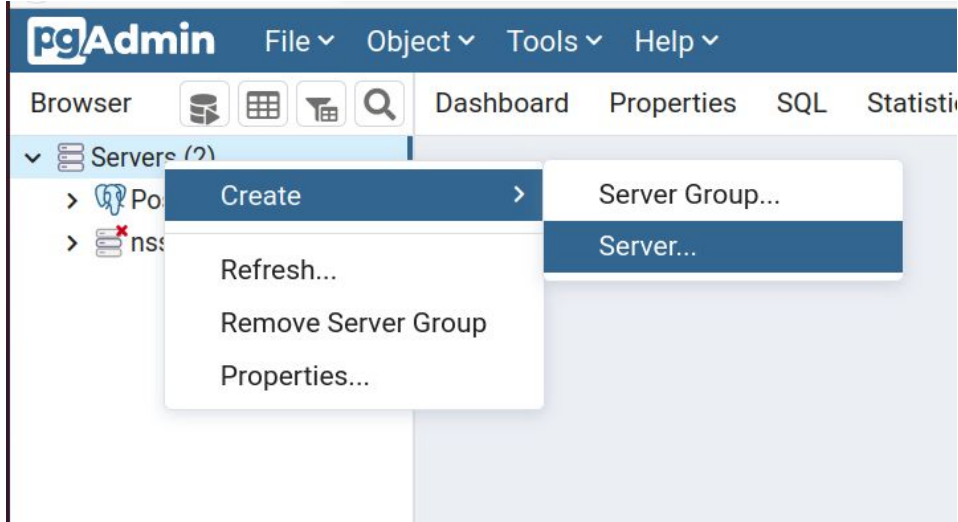2. Database password is **"postgres"**

Since this is not secure data and it is for learning use, **set the postgres and pgAdmin administrative passwords to "postgres"**. This is not something you would do with secure data in a production environment!

Initial Setup

- After installing postgres and pgAdmin, launch PgAdmin
- In the upper left, click on "Servers"
- You may or may not see a Server. If not, you'll need to create one.

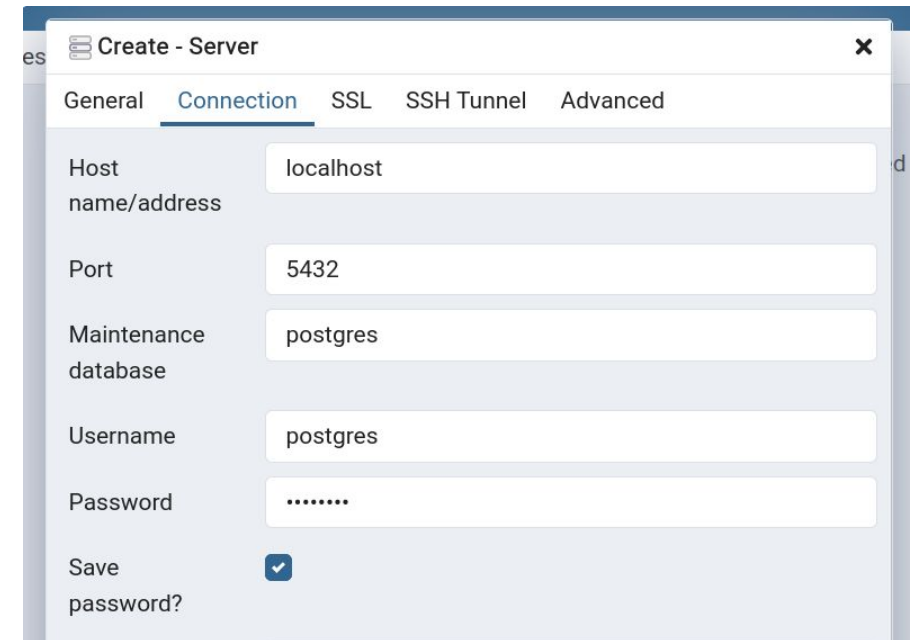# Creating a Server (Not Needed if you see a server already)

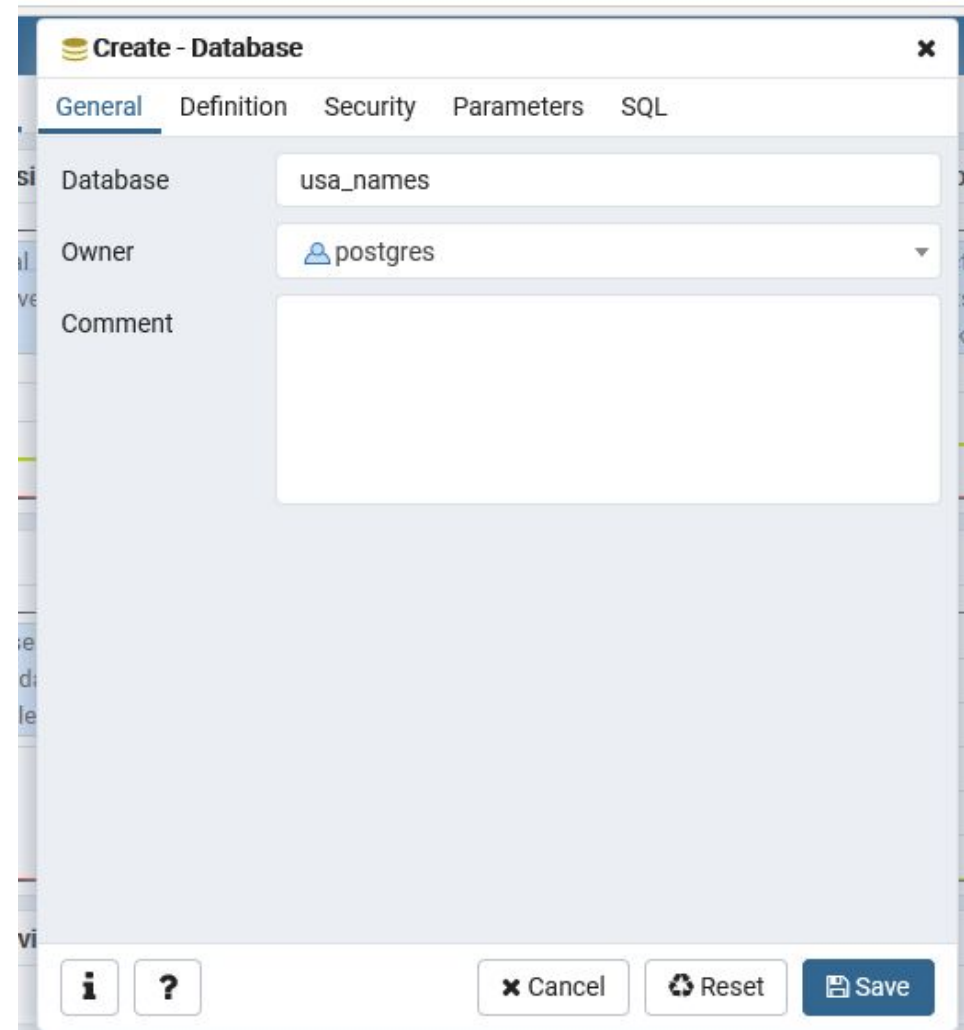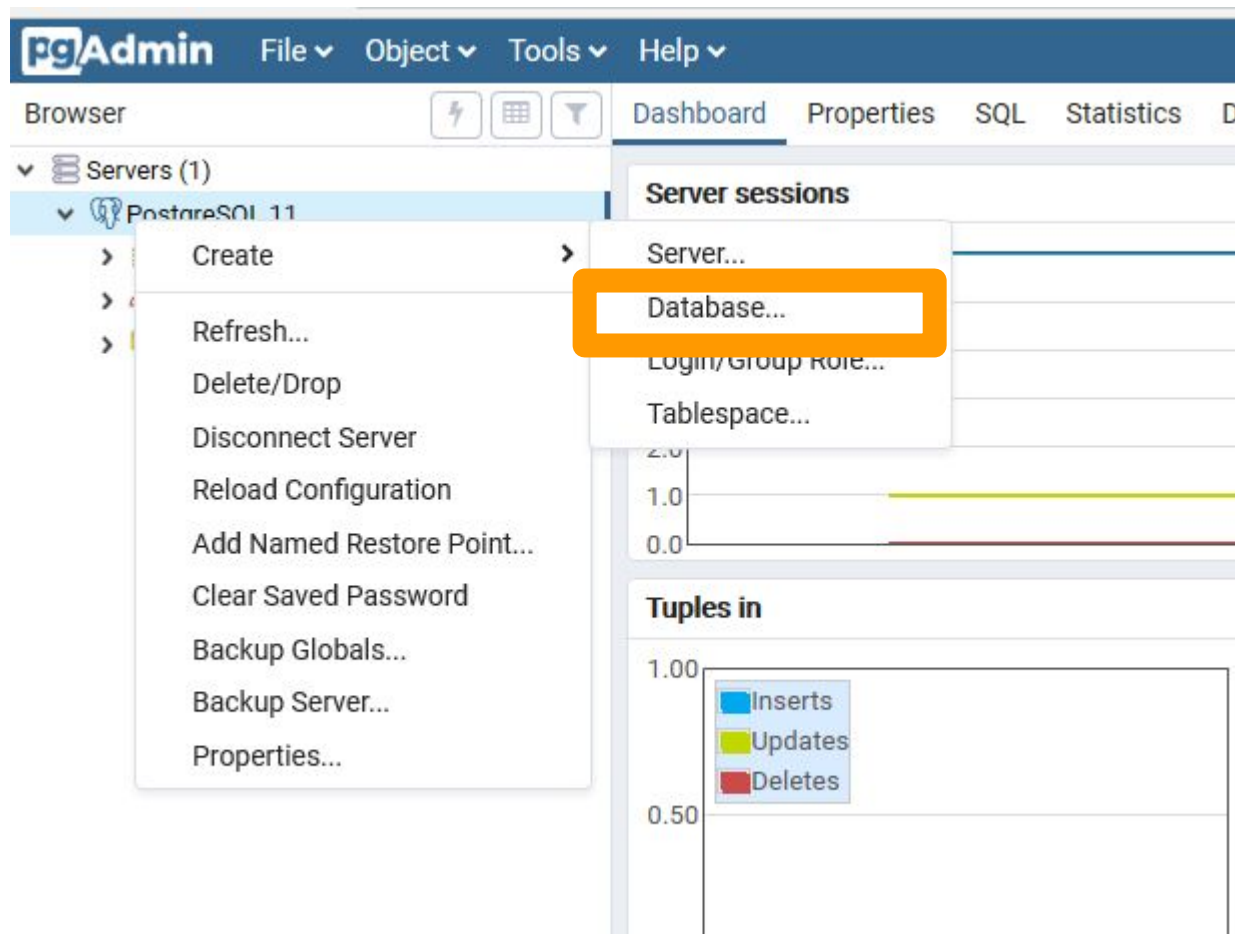If you don't have a server already, right-click on "Servers" and choose Create -> Server

Name it "Postgres" and then on the connection tab, set Host name/address to "localhost"

Double-check that the Port is set to 5432 and input your password (postgres)
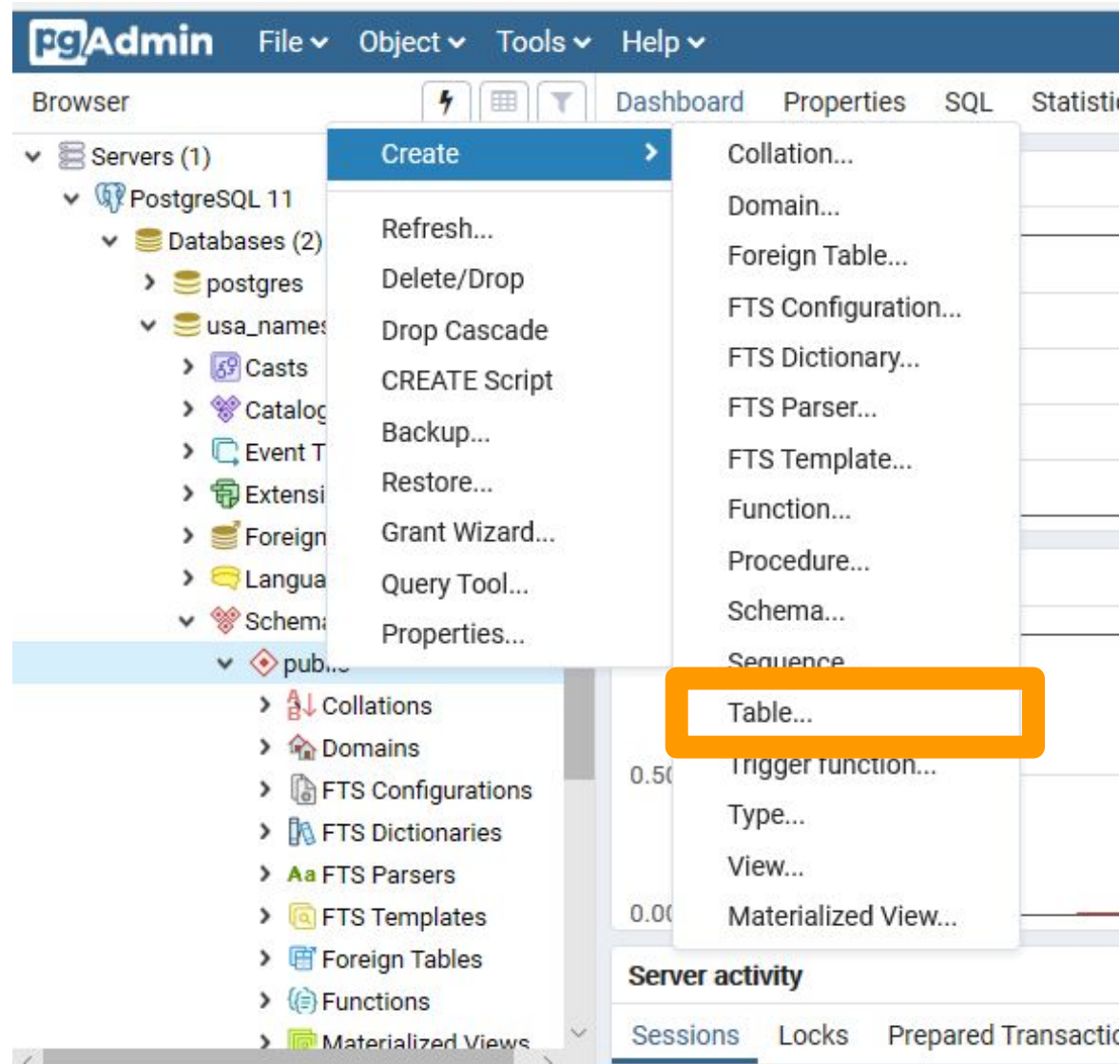
Then click "Save".

Now we're ready to create our first database.
Right-click on your Postgres Server and choose Create > Database
Name this Database "usa_names".

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

Name this table "names"
Go to the Columns tab and add the columns as shown.
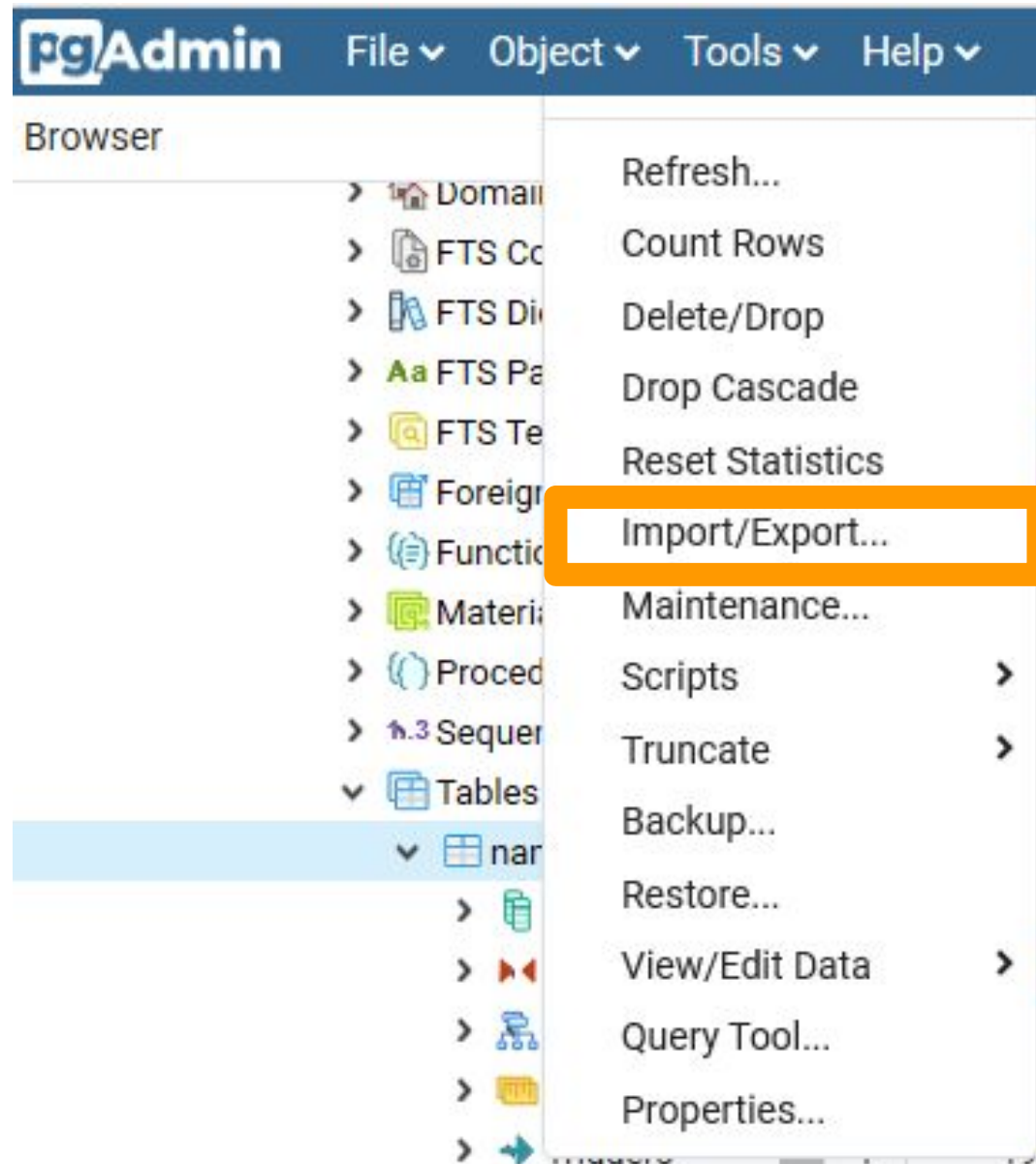
Right-click on the *names* table and select Import/Export

- 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**

- Launch the query editor Tools > Query Tool
- To check that everything worked correctly, run the query "SELECT * FROM names LIMIT 5;"
- To run the query, either use the Play (or Lightning Bolt, depending on your version of pgAdmin) button or the F5 key