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This page shows you how to connect to PostgreSQL from pgadmin3/pgadmin4 to browse the database and to issue SQL queries.

We assume you have already installed pgadmin3 or pgadmin4 on your laptop. On ubuntu you can install pgadmin4 by running `sudo snap install pgadmin4`.

Warning: pgadmin4 starts a server and opens a tab on your browser. This takes some time, and can cause issues if you are ssh'd in and are using firefox. pgadmin3 does not have this problem, but has fewer features for monitoring the postgresql database. This doesn't really matter in the initial labs, so feel free to use pgadmin3 for now, and move to pgadmin4 later on.

Create a new connection to the database. Use hostname as localhost, port as xyz0 as above, your login name as the user name, and leave the password blank.

pgadmin3: pgadmin3 will say that your version of postgresql is not supported. Don't bother about it.

pgadmin4: this starts up a browser window on your default browser, and runs everything from there. If you are ssh'd in sometimes this causes issues.

Do the steps below to run the SQL commands mentioned earlier for psql.

pgadmin3: Select the database you want to use. Then click on the button that says SQL

pgadmin4: Select the database you want to use, then go to Tools > Query Tool

1. USEFUL TIP: You can type multiple SQL commands into the window. If you select a particular SQL command and then click on the green arrow, only that command will be run. If you don't select anything, all the SQL commands will get executed.
 2. Try a few SQL queries to test the interface.
1. Now use the menu to
 1. browse the database (go down to Servers > postgresql > Databases > postgres > Schemas > public > Tables)
 2. Look at the table creation command, including constraints such as primary and foreign keys

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