

Postgres (psql) Exercise

W205 - Data Storage and Retrieval - Fall 2016

Get the data

- Create some temp directory
- Run this command to get data and extract
 - `wget http://pgfoundry.org/frs/download.php/527/world-1.0.tar.gz`
 - `tar xfvx world-1.0.tar.gz`

Make sure postgres exists and is running

- Try these commands
 - `which psql`
 - `psql -h localhost -U postgres -l`

Load into postgres

- Get into the directory w/ the data
 - `cd dbsamples-0.1/world/`
- Run the sql file to create tables and load data
 - `psql -h localhost -U postgres -f world.sql`
- Check to see if you see the tables
 - `psql -h localhost -U postgres`
- Run some simple commands at the psql prompt (postgres=#)
 - `\dt`
 - `\d+ city`

Run some queries

- How many entries in the city table?
- How many countries in the country table?
- How many cities w/ countrycode="BRA"?
- What country is that?
- Which country has the most cities?
- Write a query that join the city and country table to show the name of the country and the number of cities in descending order.