

pgAdmin 4

labouseur.com/courses/db/lab1-PostgreSQL.pdf

# Database Systems

## CMPT 308

### - Lab 1: PostgreSQL - 20 points -

Goals	<ul style="list-style-type: none"><li>• Install PostgreSQL and pgAdmin</li><li>• Practice getting around in the PostgreSQL and pgAdmin environment</li><li>• Practice getting around in and using GitHub.</li><li>• Explains some key concepts we covered in class.</li><li>• Get some easy lab points.</li></ul>
Instructions	<ol style="list-style-type: none"><li>1. Download PostgreSQL from <a href="http://www.postgresql.org">http://www.postgresql.org</a> and install on your computer.</li><li>2. Short essay: Data vs. Information - Select a database in use today (real or fictional) and identify the elements of "data" stored therein and describe how it organizes the "data" into "information". Give contrasting examples of "data" that illustrate the meaninglessness of "data" without organization. Talk about the value the "information" provides once data is given context.</li><li>3. Short Essay: Data Models - Briefly describe the hierarchical and network relational data models. Explain their shortcomings in relation to the relational model. Considering this, what do you think of XML as a model for data storage?</li></ol>
Resources	<ul style="list-style-type: none"><li>• PostgreSQL - <a href="http://www.postgresql.org">http://www.postgresql.org</a></li><li>• Installation guides - <a href="https://wiki.postgresql.org/wiki/Detailed_installation_guides">https://wiki.postgresql.org/wiki/Detailed_installation_guides</a></li></ul>
Submitting	<p>Take a screen shot of the pgAdmin tool up and running on your computer to show how you will show that it's on your computer. Submit the screen shot as a PDF document. (Only PDFs will be accepted. Seriously.)</p> <p>Push your work to your GitHub repository <b>before</b> the due date (see syllabus) to include your name, the date, and the assignment in the (copious, meaningful, accurate) check-in messages. Then e-mail Alan the url of your GitHub repository.</p>


pgAdmin 4

FileObjectToolsHelp

BrowserServers

DashboardPropertiesSQLStatisticsDependencies

Welcome




pgAdminVersion 4

Management Tools for PostgreSQL


Feature rich | Maximises PostgreSQL | Open Source

pgAdmin is an open source administration and management tool for the PostgreSQL database. The tools include a graphical administration interface, an SQL query tool, a procedural code debugger and much more. The tool is designed to answer the needs of developers, DBAs and system administrators alike.

Quick Links




Add New Server




Configure pgAdmin


Getting Started




PostgreSQL Documentation



pgAdmin Website



Planet PostgreSQL



Community Support