Goals

To write some cool stored procedures in PostgreSQL.

Scenario

Marist asks you to improve class registration. (What could go wrong?)

Deliverables

Create tables for courses and their prerequisites from the script on our web site at http://www.labouseur.com/courses/db/courses-and-prerequisites.txt.

Write two functions (stored procedures) that take an integer course number as their only parameter:

1. function PreReqsFor(courseNum) - Returns the immediate prerequisites for the passed-in course number.

2. function IsPreReqFor(courseNum) - Returns the courses for which the passed-in course number is an immediate pre-requisite.

Optional Challenge:
Demonstrate Jedi-level skills and write a third, recursive, function that takes a passed-in course number and generates all of its prerequisites. Uses the first two functions you wrote and recursion.

Resources

• Chapters 9.4 and 10.2 in our text
• Stack Overflow - http://stackoverflow.com/questions/tagged/stored-procedures+postgresql

Submitting

Submit your script via Git. Push it to your GitHub repository before the due date (see syllabus). Remember to include your name and date. Neatness (and awesomeness) counts.