

Database Systems

CMPT 308

- Lab 10: Stored Procedures - 20 points

Goals	To write some cool stored procedures in PostgreSQL.
Scenario	Marist asks you to improve class registration. (What could go wrong?)
Deliverables	<p>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.</p> <p>Write two functions (stored procedures) that take an integer course number as their only parameter:</p> <ol style="list-style-type: none">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. <p>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.</p>
Resources	<ul style="list-style-type: none">• 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.

