Database Systems
CMPT 308

Lab 10: Stored Procedures - 10 points

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.