CSCI 2141
W2013
Assignment 4, Due 9:35 am, March 15, 2013
Groups of up to 3 students permitted.

Submission instructions: Submit an electronic copy of your assignment (SCAN your work as a PDF if needs be, scanner located by tech support on 1st floor). Email your assignment to the TA, Savneet Arora (sarora@cs.dal.ca). In the subject line, use the following template: 2141 Assignment-3 (Banner ID(s))

For the following questions, assume that you are working with a database with the schema from Friday, March 8th's tutorial (schema and sample data file are on the course web page, but your queries should work beyond the very brief sample data provided). Assume that each term is represented by a 6 digit character string, where the first 4 digits represent the year, the 5th digit represents the semester (1, 2, or 3), and the last digit represents either the full semester (0) or a partial semester (1-9)).

Write SQL queries that would achieve the following goals:

1. Retrieve the names of all students of the university, sort the results by student ID
2. Retrieve the contact information for student Jane Smith
3. Retrieve the names of students attending courses during the 201220 semester.
4. Retrieve the names of intructors teaching courses during the 201220 semester.
5. Retrieve the names and student ids of all students taking courses in 2012 (no duplicates).
6. Retrieve the courses (subject, number, name) that student Jane Smith is taking during the 201220 semester
7. Retrieve the courses (subject, number, name) that student Jane Smith is taking during 2012.
8. Retrieve the names of students who are enrolled in at least 1 course during the 201220 semester.
9. Retrieve the names of students who are enrolled in at least 2 courses during the 201220 semester.
10. Retrieve the classlist (ID + Name) for Instructor Chuck Babbage for EENG4522 for the 201220 semester.
11. Retrieve the list of all courses (subject, number, term) taught by Instructor Check Babbage (past, current, or future).
12. Retrieve the list of Instructors teaching computer science courses in 2012.
13. The prerequisite for CSCS 1001 is CSCS 1000. Retrieve the list of students attending CSCS 1001 in the 201220 semester who have not previously attended CSCS 1000.
14. Retrieve the list of Instructors who are attending courses as a student during the 201220 semester.
15. Retrieve the names of Instructors who are not teaching during the 2012 semester.