CSCI4370 Database Management

Fall 2009

Project 1: Relational Algebra Operators

Due: September 6

Please implement the following relational algebra operators:

select, project, union and minus.

Some of the operators are partially implemented in Table.java (at course web page). You should store the tuples in a list. So far please use the test cases in the main function of Table.java. More test cases will be posted later.

Your program must be thoroughly documented (generate javadoc). Use the @author tag for each class and method. Each method should have a single author. The coding workload should be split roughly in half. We will check this by examining the @author tags. Please make sure that the output of your program is easy to understand. Provide a flag for turning on/off your tracing/debugging messages in your program's output.

Programming language: Java is required for the project.

What to submit: Please submit

- all source code
- all the javadoc files
- a readme file

The readme file should contain: your names, how to compile and run your code and other specifications you want to make. Please pack all your files in a zip package with the file name: "project1" + last names of group members. For example: project1_chen_kim.zip

How to submit: Mail your ".zip" file to the TA (will be announced shortly)

An electronic copy of this project can be found at the course web page (under preparation):

http://www.cs.uga.edu/~budak/dbf09.html