

CSC173 Formal Models and Computation

Project 4 Submission Form

Complete this form using a PDF viewer/reader, save it, and submit it with your code on BlackBoard.

Last name: First name:

NetID:

File containing your `main` function:

Did you use “`-std=c99 -Wall -Werror`”?

Check one: Yes ☐ No ☐ I don't know ☐

Does your code have a clean report from `valgrind`?

Check one: Yes ☐ No ☐ I don't know ☐

Part 1

Data structures for relations from registrar database (structs, hashtables, etc.):

Implementation of basic single-relation operations (*insert*, *delete*, and *lookup*):

Example 8.2 operations:

Implementation of database save/load:

Continues on next page...

Part 2

Function for “What grade did *StudentName* get in *CourseName*?” (name and filename):

repl.h lookup_query1

Function for “Where is *StudentName* at *Time* on *Day*?” (name and filename):

repl.h lookup_query2

Part 3

Implementation of Relational Algebra operations:

Advanced_op.h

Code to demonstrate these on Examples 8.12–8.15:

main.c

Put any other comments and helpful descriptions in your writeup.