

CISC181H Spring 2009 Lab05

- Write a program for each of the following problems. Be sure to save every separate program. All programs must be properly commented and indented (see Assignment Standards on the class website). Ask your TA for guidance.
- If you want to study during lab today, that is ok. Remember, previous lab problems (labs 0-4) make excellent exam questions.

Programs

1. Write a class LList that uses a struct Node to form a linked list containing integers. Your class should have a constructor, a destructor, and public methods for adding a new integer, removing the first instance of an integer from a list, and printing the list.

Place your defs and prototypes in a .h file, your associated code in a .cc file, and testing code in a separate .cc file. Write a makefile that compiles only what is necessary, with a target “test” that not only compiles test code if necessary, but then runs it iff it compiles correctly¹.

2. Add an insertInOrder method to your LList class. Read an entire file of unordered integers (100 or more), inserting each one in order
3. Same as last problem, but read words.

You should have a total of 3 programs named lab05.1.cc to lab05.3.cc, plus any makefiles and written answers specified above. Make a single script file (see lab00 for the instructions) where you cat, compile, and run lab code in its final form.

Submit all 3 program files *and* your script on WebCT by midnight before your next lab. Give the paper version of the complete script file **only** on paper to your TA at the **beginning** of your next lab. Note: Cat, compile, and run each program in order - do *not* cat all programs, then compile, etc.

¹We'll talk about all this stuff Friday, or try to