

COSC 251 – Lab #9

Data Structures in LISP

Purpose: Using LISP to mimic basic data structures.

Task: Using LISP in a Box or your favorite LISP IDE, use LISP's list functionality to duplicate stack and queue functionalities. This should include the functions push(), pop(), top(), clear() and isEmpty() for a stack and enqueue(), dequeue(), front(), clear() and isEmpty() for a queue.

Deliverable: the lisp code that you create. It must be submitted via Digital Dropbox.

This lab may be worked on in pairs.

Due: By the start of class Monday. No exceptions. To be turned in via Digital Dropbox.