

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. Email submissions to me will be ignored (since John is grading the labs).

This lab may be worked on in pairs.

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