

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.