

COSC 251 – Lab #7

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 **mypush**, **mypop**, **mytop**, and **isEmpty** for a stack and **myenqueue**, **mydequeue**, **myfront**, and **isEmpty** for a queue.

If there is an associated function (for instance, pop is already in LISP) you are not allowed to use that function as part of your implementation.

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

This lab may be worked on in pairs.

Due: By 11:59pm Monday. To be turned in via Blackboard.