

COSC 251 – Lab 4

Using Your Homework Early

Purpose: To use your homework information earlier than expected.

Task: Implement a Stack and a Queue in Python. For the Stack portion, you should implement the functions for push, pop, top, isEmpty (returns a Boolean that is true if the stack is empty and false if it is not) and empty() (removes all elements from the Stack). For the Queue portion, you should implement enqueue, dequeue, front (returns the element that would be removed on a successfully dequeue operation), isEmpty (same as above) and empty (same as above).

You are allowed to work in pairs for this lab. If you work in a team on this lab, only one source should be submitted, with both team members names on them.

DUE: Monday, Feb. 25th before the start of class.

Deliverables: Any source code you create.