

COSC 251 – Lab #4

Algorithms and Data Structures in Python.

Purpose: Create a familiar data structure in Python.

Task: Utilizing IDLE, create a stack structure using Python. You will be required to code the following functionality: push, pop, top, isEmpty (returns a Boolean that is true if the stack is empty, false if it is not) and empty (removes all elements from the stack). You will create a single variable that will hold the data in your stack. You may want to code your stack as a separate file by opening IDLE then going to File->New Window. You may work in pairs on this lab.

Deliverable: the py file that contains your source. It should be well commented.

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