

# COSC 201 – Lab #5

## LinkedList vs ArrayList

Purpose: Practice using Stack, and implementing an algorithm from class

Tasks:

- 1.) Open Eclipse and start a new Java Project called Balanced Project
- 2.) Add a new class called BalancedSymbolChecker.
- 3.) Implement the balanced symbol checker algorithm that we discussed in class. You should handle [], (), and {} symbol pairs. You can safely ignore all other characters. The method will take a String as a parameter, and return either true (if the String has balanced symbols) or false (if the String does not have balanced symbols). If you need a refresher, the algorithm is in the notes from October 21<sup>st</sup> posted to the website.
- 4.) Create a main that will get a string from the user and send that string to the method you created. Main should print either “Success!” or “Failure!” depending on the result from the method.
- 5.) Turn in your properly commented code via Blackboard by 11:59 Monday. You may work in pairs on this lab.