

# COSC 201 – Lab #4

## Fun with Stacks

Purpose: to practice using the Java API version of Stack

Tasks:

- 1.) Open Eclipse and start a new Java Project called Matching Project
- 2.) Add a new class called ParenMatch. ParenMatch will have no extra fields or methods aside from main.
- 3.) In main( ), you will take in a sequence of parens as command line arguments. You will then use a Stack to verify whether or not that parens are legally paired. Primarily this will involve pushing closed parens, and then popping on open parens, or pushing open parens and then popping on closed parens, depending on how you are reading the string.

Hint: Use the charAt(int index) method from the String implementation in the API to “parse” the string.

- 4.) Turn in your code via the Digital Dropbox in Blackboard.