

Lab 5: Stack & RPN

Data Structures and Algorithms

This lab is to have you implement Stack of your choice together with the algorithm for computing RPN.

Your first task: Implement Stack with the following methods

- void push(int d)
- int pop()
- int top()
- boolean isFull()
- boolean isEmpty()
- String toString()

You must implement both array and linked list version of the class Stack.

Now, let implement RPN calculation.

Your second task: Compute RPN calculation using stack of your choice. Note that you have to change the data type in your stack to double for this task.

Hand in your work in MS Team assignment by submitting MyStackA.java, MyStackL.java, and ComputeRPN.java.