**Algoma University**

**School of Computer Science and Technology**

**COSC 2007 Data Structures II (Lab)**

**Assignment 4**

**Date of Lab: Feb 5, 2024**

Create StackADTAppl.java is menu driven program which utilizes StackADT and StackADTImpl to perform the following operations.

(a)Read the infix expression

(b)Convert the given infix expression into postfix expression, it should throw an error if the expression contains unbalanced parenthesis

(c) Evaluate the converted postfix expression

(d) Test the code using the following expressions

a. (2+5) \* (3-6) / (7\*8)

b. 7 - (((3+2) \* (6+1)) / (5+6)

c. (((3+2) \* (2+5)