## Assignment - 3 Stacks

## **Stacks – Evaluating Arithmetic Expressions**

Write a class Arithmetic Expression Evaluator that evaluates an infix arithmetic expression. Do this is two steps. First, convert the infix expression to a postfix expression: create a filter Infix ToPostfix that converts an arithmetic expression from infix to postfix. Second, evaluate the postfix expression: write a postfix evaluator EvaluatePostfix that takes a postfix expression, evaluates it and print the value. You must implement your own generic classes that support the push(), pop(), and isEmpty() methods. Your program should print the infix expression, postfix expression, and the final result.