CS232 - Assignment 9

200050103

Q1)

I have used Shunting Yard Algorithm to solve the expression tree. I have maintained two representative stacks one for values and other for operators and parentheses.

I go over the expression string once in the algorithm. Since precedence is resolved by only round brackets in above algorithm whenever I get a) bracket I pop two values from value stack and one operator and (from operator stack and add the result of operation to value stack.