

Data Structures and Algorithms - Assignment 3

1. Implement following algorithms for multi digit numbers i. postfix evaluation ii. prefix evaluation

2. Paperwork: Convert following examples from Infix to Prefix and Postfix.

- $K + L - M * N + (O \wedge P) * W / U / V * T + Q$
- $(A + B) * C - (D - E) * (F + G)$

3. Paperwork: Convert following expression to Prefix using stack algorithm. Refer code.

- $5 + 9 - 4 * (8 - 6 / 2) + 1 * (7 - 3)$

4. Leetcode problem : <https://leetcode.com/problems/valid-parentheses/description>

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