

Data Structures and Algorithms - Assignment 5

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

- Expressions

- Infix: "12 + 34 * (999 - 990) / 2"
 - Programmatically need to separate the tokens and process them.

```
String[] infix = infixString.split(" ");  
// ...
```

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

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

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

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

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

5. Leetcode Problem : <https://leetcode.com/problems/remove-all-adjacent-duplicates-in-string/description>