Data Structures and Algorithms - Assignment 1

1. Write program to implement linear queue in which front and rear starts at 0.

2. Implement descending stack (Initialize top = SIZE - 1)

3. Create an array of integers. Reverse the array using stack

4. Implement following algorithms for multi digit numbers

   - postfix evaluation
   - prefix evaluation

Optional

5. 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)

6. Paperwork: Convert following expression to prefix and postfix. 5+9-4*(8-6/2)+1$(7-3)