**Assignment Day#3**

1. Write a menu driven program for stack implementation.

# Write a program to Sort a stack using a temporary stack

1. Write a program to Sort an array using Stacks
2. Evaluate following prefix expressions

* +, -, 20, \*, 3, 4, 1
* -, \*, 3, +, 3, 7, /, ^, 4, 2, 2
* -, /, \*, 3, ^, 5, 2, 15, -, 5, ^, 2, 2
* +, -, +, /, \*, 2, 20, 2, \*, +, 3, 4, ^, 3, 2, 6, 15
* \*, 5, -, ^, 6, 2, 2

1. Convert following infix expression to postfix
   1. x^y/(5\*z)+2
   2. K + L - M\*N + (O^P) \* W/U/V \* T + Q
   3. A+(B\*C+D)/E