

SSN College of Engineering, Kalavakkam
Department of Computer Science and Engineering
III Semester - CSE 'A ', 'B' & 'C'
UCS 1312 Data Structures Lab Laboratory

Academic Year: 2019-2020

Batch: 2018-2022

Exercise 5: Applications of stack

- Create stack ADT as a header file “stack.h” .
- Convert the given infix expression into postfix expression by including “stack.h” in the driver program to perform the conversion.
- Throw error for unbalanced symbols.
- Evaluate the postfix expression using “stack.h”.
- Test for the following expressions
 - a. $(2+5) * (3-6) / (7*8)$
 - b. $7 - (((3+2) * (6+1)) / (5+6))$
 - c. $(((3+2) * (2+5))$