**Assignment-2**

**Stack and its Applications**

1.Develop a menu driven program demonstrating the following operations on a Stack:

push(), pop(), isEmpty(), isFull(), display(), and peek().

2. Given a String, Reverse it using STACK. For example, “data structure” should be

output as “erutcurtsatad.”

3. Write a program that checks if an expression has balanced parentheses.

https://www.geeksforgeeks.org/check-for-balanced-parentheses-in-an-expression/

4. Write a program to convert an Infix expression into a Postfix expression.

https://www.geeksforgeeks.org/stack-set-2-infix-to-postfix/

5. Write a program for the evaluation of a Postfix expression.

https://www.geeksforgeeks.org/stack-set-4-evaluation-postfix-expression/