



DHA SUFFA UNIVERSITY

Dept. of Computer Science

Spring 2020

Course Name: Data Structures and Algorithm (CS -2001)

Assignment 3

Marks: 10

Submission Guidelines: You are supposed to submit the algorithm for the asked problem in proper algorithm convention along with the screenshots of outputs and source code. Plagiarized assignments will result in 0 marks.

Q.1) Write a program that implements the infix-to-postfix notation. The program should read an infix string consisting of single alphabetic characters for variables (A, C...), parentheses, and the +, -, *, and / operators. Call the conversion algorithm and then print the resulting postfix expression.

Your algorithm should print the expression items read every time, the items in stack in every iteration and the output values after each iteration, just as shown in the table discussed in lecture.

Algorithm should be the one discussed in class. Internet copied algorithms will be marked zero