Lab 5

DSA   BS DS Fall 2022

Task 1   10 marks
Convert infix expression to postfix expression.

*Algorithm and demonstrations of converting Infix to postfix expression is explained in provided document **"Infix to Postfix transformation.jpg"** and **"Infix to Postfix Examples.pdf"**.*

You have to achieve following functional capabilities:

function **convertToPostfix** that converts the infix expression to postfix notation, where parameter and return types are string contains the expressions. You are needed to write a function to **display** and **input** these expressions.

Task 2   10 marks
Convert infix expression to prefix expression.

You have to achieve following functional capabilities:

function **convertToPrefix** that converts the infix expression to postfix notation, where parameter and return types are string contains the expressions. You are needed to write a function to **display** and **input** these expressions.