

# **United International University (UIU)**

## **Dept. of Computer Science & Engineering (CSE)**

### ASSIGNMENT - 3

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We will build a simple converter in this assignment. We will convert infix to prefix or postfix. You will have to do the following tasks.

1. Create a menu with mentioning the input type. 1. Console Input. 2. File input. 3. Exit
2. For console input. Take an infix expression from console.
3. For File input. Take a link of the file where we have the infix expression from console.
4. You now have the infix expression string.
5. Ask the user with a menu whether the user wants to convert the infix expression to 1. Prefix or 2. Postfix expression.
6. For 1. Prefix, convert the infix expression to prefix expression.
7. For 2. Postfix, convert the infix expression to postfix expression.
8. If user took input from console(look STEP 1) show the output in console, if user took input from file, write the output in the same file.