

### ASSIGNMENT-3

#### Fall 2023

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Create a menu with items Prefix Evaluation and Postfix Evaluation. Use string input instead of a number to select menu items. For example, the user should write **PRE** to select Prefix Evaluation, **POST** to select Postfix Evaluation.

#### For **PRE** Input:

Take a prefix expression input from the console and evaluate the expression to a number result.

For example, for expression - + \* 2 3 \* 5 4 9

the prefix evaluation result will be 17.

#### For **POST** Input:

Take a postfix expression input from the console and evaluate the expression to a number result.

For example, for expression 5 9 8 + 4 6 \* \* 7 + \*

the postfix evaluation result will be 2075.

For example, for expression 2 3 \* 5 4 \* + 9 -

the postfix evaluation result will be 2075.