



TT DS PYTHON MODULE-13

Started on	Tuesday, 22 October 2024, 2:12 PM
State	Finished
Completed on	Tuesday, 22 October 2024, 2:59 PM
Time taken	47 mins 46 secs
Grade	100.00 out of 100.00

Question 1
Correct
Mark 20.00 out of 20.00
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Write a Python program to evaluate the user given Postfix expression using stack.

Input Constraints:

1. The input string will be a valid postfix expression consisting of **float number (single digit with single precision eg., 2.3)** and binary operators (+, *).
 2. Every float number and operator will be compulsorily separated by a SPACE.
- define **def string_conv(str)**: to convert the input string into float numbers and operators, and save them in a list.
 - define **def evaluate_postfix(expression)**: to evaluate the postfix expression using stack.

For example:

Input	Result
2.2 2.3 +	postfix expression: 2.2 2.3 + Evaluation result: 4.5
1.2 2.1 + 1.2 *	postfix expression: 1.2 2.1 + 1.2 * Evaluation result: 3.9599999999999995

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