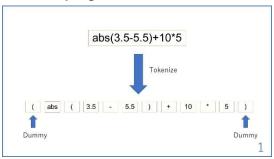
Calculator

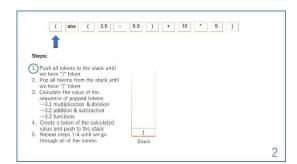
Naho Yokoyama

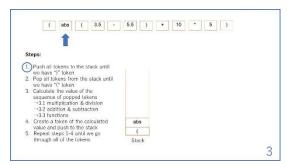
Overview

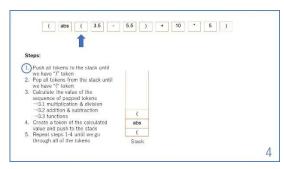
This program implements a calculator. When a user inputs a mathematical expression, the program will calculate and returns its value. This program supports calculation including addition, subtraction, multiplication, division, the use of parenthesis, absolute value function, integer value function, and round function.

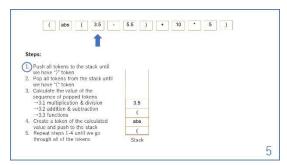
How this program works

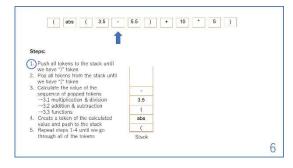


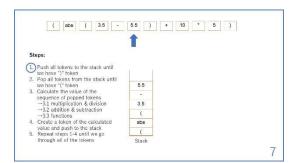


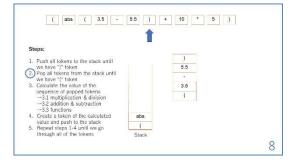


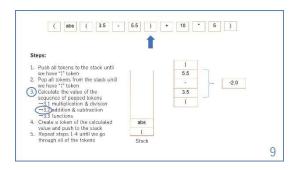


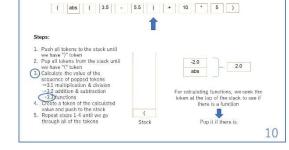


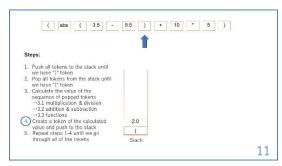


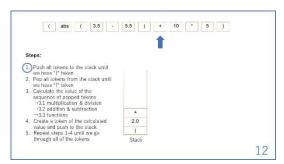


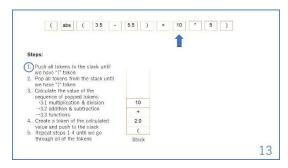


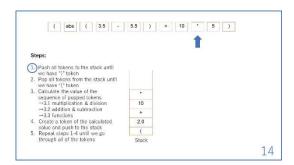


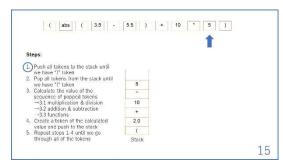


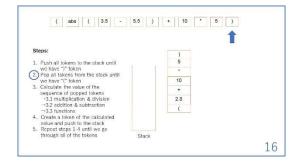


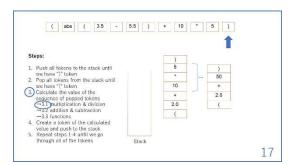


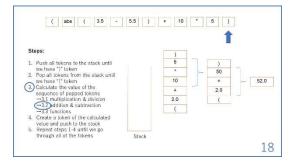


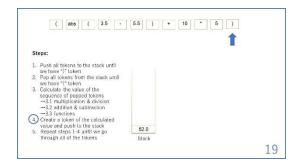


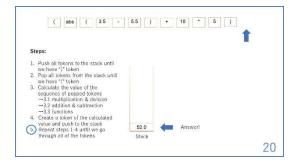












Input's tolerance

Allow

- negative numbers (ex. "-1+-5" will be evaluated as -6)
- use of more parenthesis than necessary (ex. "(((((5+5)))))")
- too many open parenthesis (outer parenthesis will be ignored, ex. "(3+5*2" becomes 13)
 - →"eval" function to calculated expected answer will returns an error though

Not allow

- · division by zero
- space between characters (ex. "1 + 5")
- · incomplete input of decimals (ex. ".5")
- Too many close parenthesis (ex. "3+5)")