

Refer to Chapter 8 - Stack for the stack application. The stack can be used to check if parentheses in an expression are balanced. Compilers generate errors if parentheses do not match.

Write a program to examine whether parentheses are balanced in expressions. (Note: The expression entered by the user.)

The following are examples of balanced and unbalanced expressions.

Example of balanced expression.

Please enter an expression: (a+b) The expression is balanced.
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Example of unbalanced expression.

Please enter an expression: ((a+b)*2 The expression is not balanced.
