

## **Programming Assignment 2 - Computational Thinking**

If the program encounters an open parentheses, "(", as it reads in the given string, it will push it onto the stack. If it encounters a closing parentheses, ")", it will then pop the stack. At the end of the string the program will check if the stack isEmpty and if it is true, it will indicate that the string has balanced parentheses. If the program returns a pop with a value of null, or false for isEmpty, the program will indicate unbalanced parentheses.