Activity 8 - Balanced

Write a program that reads a file containing n lines; the first line is an integer which indicates how many lines of characters are left.

For lines 2 to n, identify whether the sequence of parentheses, braces, and curly braces are "balanced."

Hint:  for open character (left delimiter), push onto stack; for close character (right delimiters), pop from stack and check

whether popped element matches right delimiter. You have to write your own implementation of a stack.

example: when the program is run across the attached sample file (sample.txt), the output should be:

===== sample output ===

There are 4 lines:

balanced

balanced

unbalanced

unbalanced