

Assignment on stack:

Check for Balanced Brackets in an expression:

Take a string expression from the user and write a program to examine whether the pairs and the orders of “{”, “}”, “(”, “)”, “[”, “]” are balanced or not. Print “Balanced” if balanced, otherwise print “Not Balanced”.

Examples:-

Input: `exp = “[()]{}{[()()]()}”`

Output: *Balanced*

Explanation: *all the brackets are well-formed*

Input: `exp = “[()]”`

Output: *Not Balanced*

Explanation: *1 and 4 brackets are not balanced because there is a closing ‘]’ before the closing ‘(’*

Hint: try to take care of all possible test cases when writing your program.

