Jhian Earon C. Cachin

IDB2

DSALGO1 Activity 3 Midterms Documentation

1. Arithmetic expressions that may contain various pairs of grouping symbols, such as:

**Parentheses**: “(“ and “)”

**Braces**: “{“ and “}”

**Brackets** “[“ and “]”

Each opening symbol must match its corresponding closing

symbol. For example, a left bracket, “[“ must match a corresponding right

bracket, “]”, as in the expression [(5 + x) – (y + z)]. The following examples

illustrate this concept:

**Correct**: ( )(( )){([( )])}

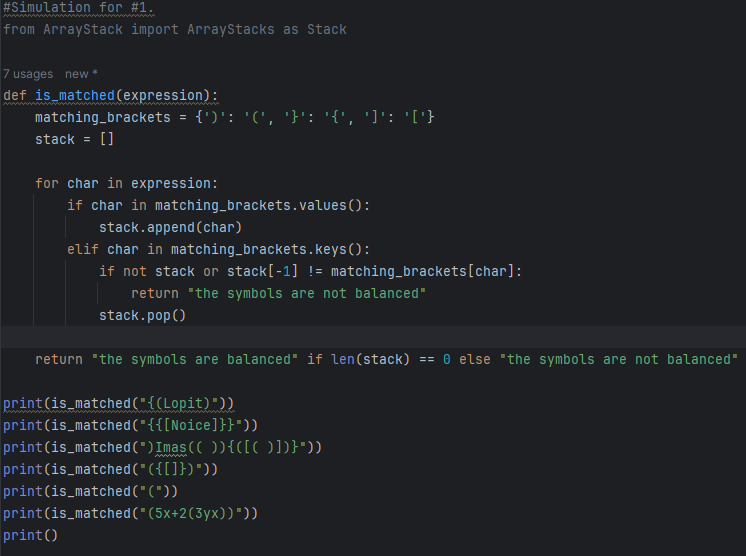
**Correct**: ((( )(( )){([( )])}))

**Incorrect**: )(( )){([( )])}

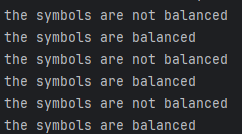
**Incorrect**: ({[])}

**Incorrect**: (

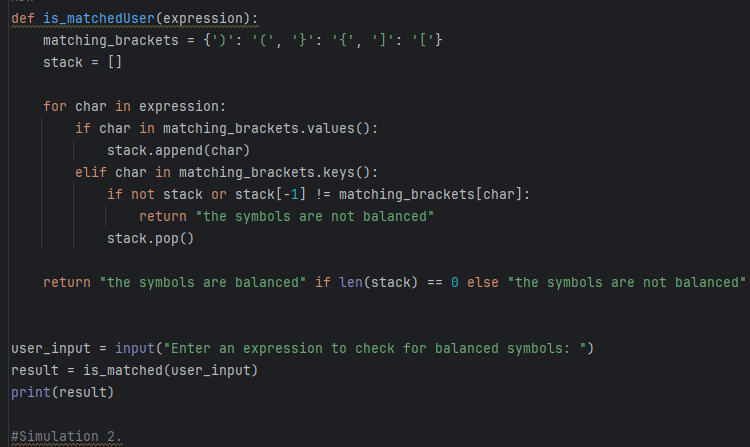
Code w/o user input:



Output:



Code w/ user input:



Output:



2. Create a program that reverses the lines of text of a

file using a Stack Data Structure. After executing the program, the **text**

**file** have text which are reversed by the Stack.

Code:



Output:

(Original Formation of txt file)

