### lastindexof()

Returns the index of the last occurrence of a substring in a given string. It returns -1 if the substring is not found; null if either the substring or the string is null.

#### Syntax

lastindexof(STR\_EXPR, SEARCH\_EXPR, [FROM\_EXPR])

Required Parameter

**STR\_EXPR**

String expression

**SEARCH\_EXPR**

Substring to search for in the string value of STR\_EXPR

Optional Parameter

**FROM\_EXPR**

Index (position) from which to start the search. The index counter starts from 0. lastindexof() returns the index of the last occurrence of a substring within a given string, searching backwards to index position 0 starting at a specified index.

The SEARCH\_EXPR string does not have to be completely between index 0 and FROM\_EXPR. As long as the first index of the SEARCH\_EXPR string is within the index range, it will be searched. In usage 5, with FROM\_EXPR set to 30 (corresponding to "L"), the range of the "Lo" string is from 30 to 31. But "L" of "Lo" is found at index 30, resulting in the return of 30.

#### Usages

Find the last index of " ".

json "{}" | eval STR\_EXPR="Life is short. Use Logpresso." | eval LAST\_INDEX=lastindexof(STR\_EXPR, " ") | # Result: LAST\_INDEX = 18

Find the index of the last occurrence of "Logpresso".

json "{}" | eval STR\_EXPR="Life is short. Use Logpresso." | eval LAST\_INDEX=lastindexof(STR\_EXPR, "Logpresso") | # Result: LAST\_INDEX = 19

When a string does not contain a given substring.

json "{}" | eval STR\_EXPR="Life is short. Use Logpresso." | eval LAST\_INDEX=lastindexof(STR\_EXPR, "Python") | # Result: LAST\_INDEX = -1

Specify the search starting position (index) and find the index of the last occurrence of a substring "Lo". Try changing the FROM\_EXPR value to get different results.

# String: Life is short. Use Logpresso. Long live Logpresso! Index: 0123456789012345678901234567890 Range: ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^ (0-30) | json "{}" | eval STR\_EXPR="Life is short. Use Logpresso. Long Live Logpresso!" | eval SEARCH\_EXPR="Lo" | eval FROM\_EXPR=30 | eval LAST\_INDEX=lastindexof(STR\_EXPR, SEARCH\_EXPR, FROM\_EXPR) | # Result: LAST\_INDEX = 30

Try the function [indexof()](https://docs.logpresso.com/en/query/indexof-function) to compare its result with the lastindexof() function.

json "{}" | eval STR\_EXPR = "Life is short. Use Logpresso." | eval FIRST\_INDEX = indexof(STR\_EXPR, " ") | eval LAST\_INDEX = lastindexof(STR\_EXPR, " ") | # Result: FIRST\_INDEX = 4, LAST\_INDEX = 18

#### Compatibility

lastindexof() function is available starting from the release 4.0.2312.0.