### foreach()

Performs operations on an array or between multiple arrays without taking the element out of the array.

#### Syntax

foreach(OP\_EXPR, LIST\_EXPR[, ...])

Required Parameter

**OP\_EXPR**

Expression to be performed between array elements. It uses \_1 for the elements of the first array, \_2 for the elements of the second array, and \_N for the elements of the Nth array.

**LIST\_EXPR, ...**

Expressions that return an array and separate them using commas (,).

#### Description

If the lengths of the arrays passed to the parameters are not the same, the function performs an operation after adding the elements to which null is assigned in the short array according to the number of elements constituting the long array. For example, if the first array consists of five elements and the second array consists of three elements, the command performs an operation after adding two elements whose values are null to the second array.

When a scalar value is passed as an argument instead of a list, the function replicates and extends the value to a list and performs an operation according to OP\_EXPR by replacing the first list in the manner of \_1 and the second list in the manner of \_2, respectively.

#### Usage

json "{}" | eval arr1= array(-1, -2, -3, -4, -5), arr2= array(1,2,3,4,5) | eval \_output = foreach(\_1 \* \_2, arr1, arr2) | order arr1, arr2, \_output=> [-1,-4,-9,-16,-25]