

ifArraySort

Implemented By

- roArray

Supported Methods

- Sort(flags as String = "") as Void
- SortBy(fieldName as String, flags as String = "") as Void
- Reverse() as Void

Description of Methods

Sort(flags as String = "") as Void

Performs a stable sort.

Items are arbitrarily grouped by comparable type of number or string, and are sorted within the group with a logical comparison.

If "r" is included in flags, a reverse sort is performed. If "i" is included in flags, a case-insensitive sort is performed. If invalid flags are specified, the sort is not performed.

This function is available in firmware 7.1 or later.

Examples

```
a=[3, 1, 2]
a.Sort()
print a
REM sets the array to [1, 2, 3]

a=[3, 1, 2.5]
a.Sort("r") REM reverse order sort
print a
REM sets the array to [3, 2.5, 1]

a=["cat", "DOG", "bee"]
a.Sort() REM case-sensitive sort by default
print a
REM sets the array to ["DOG", "bee", "cat"]

a=["cat", "DOG", "bee"]
a.Sort("i") REM case-insensitive sort
print a
REM sets the array to ["bee", "cat", "DOG"]
```

```
a=["cat", "DOG", "bee"]
a.Sort("ir") REM case-insensitive, reverse order sort
  print a
REM sets the array to ["DOG", "cat", "bee"]
```

SortBy(fieldName as String, flags as String = "") as Void

Performs a stable sort of an array of associative arrays by value of a common field.

Items are arbitrarily grouped by comparable value type of number or string, and are sorted within the group with a logical comparison.

If "r" is included in flags, a reverse sort is performed. If "i" is included in flags, a case-insensitive sort is performed. If invalid flags are specified, the sort is not performed.

This function is available in firmware 7.1 or later.

Examples

```
a=[ {id:3, name:"Betty"}, {id:1, name:"Carol"}, {id:2, name:"Anne"} ]
a.SortBy("name")
REM sets the array to [ {id:2, name:"Anne"}, {id:3, name:"Betty"}, {id:1, name:"Carol"} ]

a.SortBy("id")
REM sets the array to [ {id:1, name:"Carol"}, {id:2, name:"Anne"}, {id:3, name:"Betty"} ]

a.SortBy("name", "r") REM reverse order sort
REM sets the array to [ {id:1, name:"Carol"}, {id:3, name:"Betty"}, {id:2, name:"Anne"} ]
```

Reverse() as Void

Reverses the order of elements in an array.

This function is available in firmware 7.1 or later.

Example

```
a=[1, "one", 2, "two"]
a.Reverse()
REM sets the array to ["two", 2, "one", 1]
```