

# Array Helper

The Array Helper file contains handlers that assist in working with arrays.

## Loading this Helper

This helper is loaded using the following code:

```
rigLoadHelper "array"
```

The following handlers are available:

### rigArrayElement()

Lets you fetch an item from an array. The function tests whether the array index is set and whether it has a value. If a value exists it is returned. If a value does not exist it returns FALSE, or whatever you've specified as the default value via the third parameter. Example:

```
put "color=red,shape=round,size=" into tArray
split tArray using comma and "="

-- returns "red"
get rigArrayElement("color", tArray)

-- returns 0
get rigArrayElement("size", tArray, 0)
```

### rigArrayRandElement()

Takes an array as input and returns a random element from it. Usage example:

```
put "I find that the harder I work, the more luck I seem to
have. - Thomas Jefferson" into tQuotes[1]
put "Don't stay in bed, unless you can make money in bed. -
George Burns" into tQuotes[2]
put "We didn't lose the game; we just ran out of time. - Vi
nce Lombardi" into tQuotes[3]
put "If everything seems under control, you're not going fa
st enough. - Mario Andretti" into tQuotes[4]
put "Reality is merely an illusion, albeit a very persisten
t one. - Albert Einstein" into tQuotes[5]
put "Chance favors the prepared mind - Louis Pasteur" into
tQuotes[6]

put rigArrayRandElement(tQuotes) into gData["quoteOfTheDay"
]
```

### rigArrayKeys()

Takes an array as input and returns the keys of the array as numeric array.

### rigArrayValues()

Returns all the values from the input array and indexes the array numerically.

### rigArraySplice(tArray, tOffset, tLength)

Retrieve a portion of an array. Example:

```
put "red,blue,green,yellow,violet,black,white" into tArray
split tArray using comma

put rigArraySplice(tArray, 2, 3) into tSplicedArray
combine tSplicedArray using comma

-- Produces: green,yellow,violet
```

**Note:** This works with numbered arrays only as LiveCode's arrays are not ordered.

### rigImplode(tArray, tGlue)

Joins array elements with a string. Example:

```
put "red,yellow,blue,green" into tArray
split tArray using comma

get rigImplode(tArray, " - ")

-- Produces: red - yellow - blue - green
```

### rigElementsList(tArray)

Returns a list of array elements, each on a seperate line.