

# Functions to temporarily store and retrieve values

## Overview

SINCE VERSION 1.1.0

Since version 1.1.0 it is possible to **temporarily store values through functions**. Stored values can easily be retrieved or referenced later **in the same expression**.

Functions used to retrieve (**get**) values previously stored (**set**) can directly be used in the same expression.

The values **can only** be used for the current expression and cannot be reused in another expression.

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## Expressions

| Function                                                                                     | Returned value                                                                                                                                                                                                                                     |
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| <b>setBoolean</b> (string <b>variable_name</b> , boolean <b>value</b> ) : boolean            | Creates a variable named <b>variable_name</b> for storing a boolean value, and assigns it a <b>value</b> , which is also returned in order to be used within an expression.<br><br>Example: <b>setBoolean("myBoolean", true)</b>                   |
| <b>getBoolean</b> (string <b>variable_name</b> ) : boolean                                   | Returns the value stored in a boolean variable named <b>variable_name</b> , which was previously created using the <b>setBoolean()</b> function.<br><br>Example: <b>getBoolean("myBoolean")</b>                                                    |
| <b>setNumber</b> (string <b>variable_name</b> , number <b>value</b> ) : number               | Creates a variable named <b>variable_name</b> for storing a number, and assigns it a <b>value</b> , which is also returned in order to be used within an expression.<br><br>Example: <b>setNumber("myNumber", 100)</b>                             |
| <b>getNumber</b> (string <b>variable_name</b> ) : number                                     | Returns the value stored in a numeric variable named <b>variable_name</b> , which was previously created using the <b>setNumber()</b> function.<br><br>Example: <b>getNumber("myNumber")</b>                                                       |
| <b>setString</b> (string <b>variable_name</b> , string <b>value</b> ) : string               | Creates a variable named <b>variable_name</b> for storing a string, and assigns it a <b>value</b> , which is also returned in order to be used within an expression.<br><br>Example: <b>setString("myString", "Hello World!")</b>                  |
| <b>getString</b> (string <b>variable_name</b> ) : string                                     | Returns the value stored in string variable named <b>variable_name</b> , which was previously created using the <b>setString()</b> function.<br><br>Example: <b>getString("myString")</b>                                                          |
| <b>setNumberList</b> (string <b>variable_name</b> , number list <b>value</b> ) : number list | Creates a variable named <b>variable_name</b> for storing a number list, and assigns it a <b>value</b> , which is also returned in order to be used within an expression.<br><br>Example: <b>setNumberList("myNumberList", [1, 2, 3])</b>          |
| <b>getNumberList</b> (string <b>variable_name</b> ) : number list                            | Returns the value stored in number list variable named <b>variable_name</b> , which was previously created using the <b>setNumberList()</b> function.<br><br>Example: <b>getNumberList("myNumberList")</b>                                         |
| <b>setStringList</b> (string <b>variable_name</b> , string list <b>value</b> ) : string list | Creates a variable named <b>variable_name</b> for storing a string list, and assigns it a <b>value</b> , which is also returned in order to be used within an expression.<br><br>Example: <b>setStringList("myStringList", ["Hello", "World"])</b> |
| <b>getStringList</b> (string <b>variable_name</b> ) : string list                            | Returns the value stored in string list variable named <b>variable_name</b> , which was previously created using the <b>setStringList()</b> function.<br><br>Example: <b>getStringList("myStringList")</b>                                         |

|                                                                                           |                                                                                                                                                                                                                                                  |
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| <b>setIssueList</b> (string <b>variable_name</b> , issue list <b>value</b> ) : issue list | Creates a variable named <b>variable_name</b> for storing an issue list, and assigns it a <b>value</b> , which is also returned in order to be used within an expression.<br><br>Example: <b>setIssueList("myIssueList", ["KEY-1", "KEY-2"])</b> |
| <b>getIssueList</b> (string <b>variable_name</b> ) : issue list                           | Returns the value stored in issue list variable named variable_name, which was previously created using setIssueList() function.<br><br>Example: <b>getIssueList("myIssueList")</b>                                                              |

## Example



### EXAMPLE

You want to emphasize the importance of blocking issues by returning AND coloring the number of linked blocking issues.

If **more than 3** issues are linked as blocking issues the exact number will be returned in **red** otherwise in **green**.

The number will directly be saved (set) and later referenced as **x** via the set/get method /function.

| Before value storage                                                                                                                                                                               | After value storage                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| count(linkedIssues("is blocked by")) > 3<br>? "<font color=\red"> + count(linkedIssues("is blocked by")) + "</font>"<br>: "<font color=\green"> + count(linkedIssues("is blocked by")) + "</font>" | <b>setNumber("x", count(linkedIssues("is blocked by")) &gt; 3)</b><br><br>? "<font color=\red"> + <b>getNumber("x")</b> + "</font>"<br><br>: "<font color=\green"> + <b>getNumber("x")</b> + "</font>" |