# Functions to temporarily store and retrieve values

**SINCE VERSION 2.6.0**

Since version 2.6.0 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.

## Expressions

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

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

# 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>" | **setNumber("x", count(linkedIssues("is blocked by")) > 3**<br><br>    **?** "<font color=\"**red**\">" + **getNumber("x")** + "</font>"<br><br>    **:** "<font color=\"**green**\">" + **getNumber("x")** + "</font>" |