

# union()

## Supported list types

[Number list](#) | [Text list](#) | [Issue list](#) | [Use cases and examples](#)

1

2

3

### Number list

This function returns a **number list** with distinct elements from two lists.

#### Syntax

union(numberList1, numberList2) #Output: Number list

## Examples

| Parser expression                                                                                    | Description                                                                                                                                                                                                                                                                                |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <code>%{union([1, 2, 3], [3, 4, 5])}</code>                                                          | This example returns<br><b>1, 2, 3, 4, 5</b>                                                                                                                                                                                                                                               |
| <code>%{union(toNumberList(%{issue.versions.id}),<br/>toNumberList(%{issue.fixVersions.id}))}</code> | This example returns a distinct <b>number list</b> of both affected and fix version/s id/s of the current issue, e.g.<br><b>10002,10000,10001</b><br><br>To achieve this, the following functions are used: <ul style="list-style-type: none"><li><a href="#">toNumberList()</a></li></ul> |

## Additional information

Parameters used in this function

| Parameter   | Input (data type)      | Description            |
|-------------|------------------------|------------------------|
| numberList1 | <div>NUMBER LIST</div> | Any given number list. |
| numberList2 | <div>NUMBER LIST</div> | Any given number list. |

## Output

This function returns a 

NUMBER LIST

1

2

3

### Text list

Variant for **text lists**.

### Syntax

```
union(textList1, textList2) #Output: Text list
```

## Examples

| Parser expression                                                                        | Description                                                                                                                                                                                                                                                                     |
|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <pre>%{union(["blue", "red", "green"], ["red", "green", "yellow"])}%</pre>               | This example returns<br><b>blue, red, green, yellow</b>                                                                                                                                                                                                                         |
| <pre>%{union(toStringList(%{issue.versions}),toStringList(%{issue.fixVersions}))}%</pre> | This example returns a distinct <b>text list</b> of both affected and fix version/s of the current issue, e.g.<br><b>1.1,1.0,2.0</b><br><br>To achieve this, the following functions are used: <ul style="list-style-type: none"><li>• <a href="#">toStringList()</a></li></ul> |

## Additional information

Parameters used in this function

| Parameter | Input (data type)                      | Description          |
|-----------|----------------------------------------|----------------------|
| textList1 | <input type="text" value="TEXT LIST"/> | Any given text list. |
| textList2 | <input type="text" value="TEXT LIST"/> | Any given text list. |

## Output

This function returns a



### Issue list

Variant for **issue lists**.

### syntax

```
union(issueList1, issueList2) #Output: Issue list
```

## Examples

| Parser expression | Description |
|-------------------|-------------|
|-------------------|-------------|

```
%{union(linkedIssues(),
subtasks())}
```

This example returns the **issue list** of **linked issues** and **sub-tasks** of current issue, **without duplicates**.

To achieve this the following functions are used:

- [linkedIssues\(\)](#)
- [subtasks\(\)](#)

### Additional information

Parameters used in this function

| Parameter  | Input (data type) | Description                                                                                                                                 |
|------------|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| issueList1 | ISSUE LIST        | Any given issue list. Usually this value is retrieved from a function (e.g. <a href="#">linkedIssues()</a> or <a href="#">subtasks()</a> ). |
| issueList2 | ISSUE LIST        | Any given issue list. Usually this value is retrieved from a function (e.g. <a href="#">linkedIssues()</a> or <a href="#">subtasks()</a> ). |

### Output

This function returns an ISSUE LIST

 Use cases and examples

| Use case                                        | JWT feature                                                                         | Workflow function                                                 | Field type | Automated action | Parser functions                                          |
|-------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------|------------------|-----------------------------------------------------------|
| <a href="#">Add watchers from another field</a> |  | <a href="#">Update fields</a><br><a href="#">Transition issue</a> |            |                  | <a href="#">union()</a><br><a href="#">toStringList()</a> |