

Lua [placeholders] Example*

Erik Nijenhuis <erik@xerdi.com>

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Basics

Wrong parameter:

```
\param{non existing} ⇒ [⟨unknown⟩ non existing]
```

Conditional Parameter:

```
\hasparam{list example}{is set}{is not set} ⇒ is not set
```

Before values loaded

Boolean example:

```
\param{bool example} ⇒ false
```

```
\ifparam{bool example}{TRUE}{FALSE} ⇒ FALSE
```

String example:

```
\param{string example} ⇒ “[A string]”
```

Number example:

```
\rawparam{\jobname}{number example} ⇒ -1.21
```

```
\param{number example} ⇒ \numprint{-1.21} ⇒ -1.21
```

*This example corresponds to lua-placeholders version 1.0.3 written on 2024-04-02.

Number in foreign language:

```
\selectlanguage{dutch}\param{number example}
⇒ -1,21
```

List example:

```
\param{list example} ⇒ [A string, A second string]
```

```
\begin{enumerate}
  \newcommand\formatitem[1]{\item #1}
  \forlistitem{list example}{formatitem}
\end{enumerate}
```

⇒

1. [A string]
2. [A second string]

Object example:

```
\paramfield{object example}{name}
\paramfield{object example}{email}
\paramfield{object example}{grade}
⇒ [Your name] [Your email] 5.5
```

```
\newcommand\name{...}
\begin{paramobject}{object example}
  \name \email \grade
\end{paramobject}
% And here it works again
\name
⇒ [Your name] [Your email] 5.5 ...
```

Table example:

```
\nprounddigits{2}
\newcommand\formatrow{\description & \price \\}%
\begin{tabular}{l | l}
  \textbf{Description} & \textbf{Price} \\ \hline
  \fortablerow{table example}{formatrow}
\end{tabular}
\mpnoround
```

⇒

Description	Price
[The description]	[The price]

After values loaded

Boolean example:

```
\param{bool example}  $\Rightarrow$  true
```

```
\ifparam{bool example}{TRUE}{FALSE}  $\Rightarrow$  TRUE
```

String example:

```
\param{string example}  $\Rightarrow$  "PeelInc."
```

Number example:

```
\rawparam{\jobname}{number example}  $\Rightarrow$  1.21
```

```
\param{number example}  $\Rightarrow$  \numprint{1.21}  $\Rightarrow$  1.21
```

Number in foreign language:

```
\selectlanguage{dutch}\param{number example}  
 $\Rightarrow$  \numprint{1.21}  $\Rightarrow$  1,21
```

List example:

```
\param{list example}  $\Rightarrow$  Tomatoes, Potatoes
```

```
\begin{enumerate}  
  \newcommand\formatitem[1]{\item #1}  
  \forlistitem{list example}{formatitem}  
\end{enumerate}
```

\Rightarrow

1. Tomatoes

2. Potatoes

Object example:

```
\paramfield{object example}{name}  
\paramfield{object example}{email}  
\paramfield{object example}{grade}  
 $\Rightarrow$  John Doe j.doe@example.com 9.5
```

```
\newcommand\name{...}  
\begin{paramobject}{object example}
```

```

    \name \email \grade
\end{paramobject}
% And here it works again
\name
⇒ John Doe j.doe@example.com 9.5 ...

```

Table example:

```

\nprounddigits{2}
\newcommand\formatrow{\description & \price \\}%
\begin{tabular}{l | l}
    \textbf{Description} & \textbf{Price} \\ \hline
    \fortablerow{table example}{formatrow}
\end{tabular}
\npround
⇒


| Description      | Price |
|------------------|-------|
| Peeling tomatoes | 50.00 |
| Peeling potatoes | 25.00 |


```

Payload File

Listing 1: example.yaml

```

1 bool example: true
2 string example: PeelInc.
3 number example: 1.21
4 list example:
5   - Tomatoes
6   - Potatoes
7 object example:
8   name: John Doe
9   email: j.doe@example.com
10  grade: 9.5
11 table example:
12   - description: Peeling tomatoes
13     price: 50
14   - description: Peeling potatoes
15     price: 25

```

Specification File

Listing 2: example-specification.yaml

```

1 bool example:

```

```
2 type: bool
3 default: false
4 string example:
5 type: string
6 placeholder: A string
7 number example:
8 type: number
9 default: -1.21
10 list example:
11 type: list
12 item type: string
13 default:
14 - A string
15 - A second string
16 object example:
17 type: object
18 fields:
19 name:
20 type: string
21 placeholder: Your name
22 email:
23 type: string
24 placeholder: Your email
25 grade:
26 type: number
27 default: 5.5
28 table example:
29 type: table
30 columns:
31 description:
32 type: string
33 placeholder: The description
34 price:
35 type: number
36 placeholder: The price
```