

Title

tbl — creates a dynamic table in **HTML**, **LaTeX**, or **Markdown**. It can also align each column to left, center, or right, and also create multiple-columns for hierarchical tables. This command belongs to [Weaver](#) package, but it also supports the [MarkDoc](#) package. For using the command in [MarkDoc](#) package [see the MarkDoc documentation on GitHub wiki](#)

Syntax

Creates dynamic table in HTML/Markdown

```
tbl (*[,*...] [\ *[,*...] [\ [...]]]) [, title(str) width(int) height(int) left center ]
```

where the ***** represents a *display directive* which is

```
"double-quoted string "  
`"compound double-quoted string "  
[%fmt] [=] exp  
,  
{l}  
{c}  
{r}  
{col #}
```

Display directives

The supported *display directive* s are:

"double-quoted string "	displays the string without the quotes
`"compound double-quoted string "'	display the string without the outer quotes; allows embedded quotes
[%fmt] [=] exp	allows results to be formatted; see [U] 12.5 Formats: Controlling how data are displayed
,	separates the directives of each column of the table
{l}	if placed before any of the directives mentioned above, this directive create a left-aligned column.
{c}	creates a center-aligned column.
{r}	creates a right-aligned column.
{col #}	if placed before any of the directives mentioned above, this directive will create a multi-column by merging # number of columns.

Description

tbl is a command in [Weaver](#) package that creates a dynamic table in HTML or LaTeX, depending on the markup language used in Weaver log. If Weaver HTML is in use, **tbl** will be able to interpret the [Weaver Markup](#) codes as well as [Weaver mathematical notations](#). In other words, Weaver Markups and Weaver mathematical notations can be used as a display directives within the **tbl** command to alter other directives or display mathematical signs and formulas. Advanced users can also use HTML code to alter the table.

If LaTeX markup is used for creating the Weaver log, then **tbl** command creates a LaTeX table. However, neither [Weaver Markup](#) nor [Weaver mathematical notations](#) are not supporting LaTeX. Instead, LaTeX mathematical notations can be used for writing mathematical notations or altering the table.

Remarks

Note that the **tbl** command parses the rows using the backslash symbol. Therefore, to include LATEX notations in a dynamic table that begin with a backslash such as **\beta** or **95\%**, double backslash should be used to avoid conflict with the parsing syntax (e.g. **\\beta** and **95\\%**)

Examples

```
creating a simple 2x3 table with string and numbers  
. tbl ("Column 1", "Column 2", "Column 3" \ 10, 100, 1000 )
```

creating a table that includes scalars and aligns the columns to left, center, and right respectively

```
. tbl ({l}"Left", {c}"Centered", {r}"Right" \ c(os), c(machine_type), c(username))
```

write mathematical notations

```
. tbl ("\"( \\beta \)", "\"( \\epsilon \)" \ "\"( \\sum \)", "\"( \\prod \)")
```

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