

KKluaverb Package Documentation

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1 Outline

The `KKluaverb` is a LaTeX package which provides a Lua-enhanced `\verb` command, `\KKverb`. It can be used in the table of contents, index, underline commands (e.g., `\underlineKK` provided by the `luwa-ul` package), `tblr` environment and so on.

2 Acknowledgements / Credit

In developing this package, I made use of an algorithm which is used in “`bxcrawstr`” (by Takayuki YATO)¹⁾.

3 Usage

3.1 Basical Useage

As mentioned in the “Outline” seciton, this package mainly provides enhanced `\verb` command. The usage is not much different from the normal one.

Input
<code>\KKverb \def\TEST{Test Text.} </code>
Output
<code>\def\TEST{Test Text.}</code>

3.2 In Verbatim Environments

When this package is loaded, the Lua-scanning which enables `\KKverb` to detokenize its argument is activated. However, when `\KKverb` used in verbatim environments such as “`lstlistings`” and “`tcblistings`”, the argument cannot be decoded properly. In such cases, you should use `\KKvScanOff` which deactivates the scanning process used internally in `KKverb.lua`. Of course, `\KKvScanOn` re-activetes the process.

3.3 Optional Useage

In addition to the main function of `\KKverb`, some optional funcions are provided.

1) package: <https://gist.github.com/zr-tex8r/c7901658a866adfdc3cd66b6dfa86997>
article: <https://zrbabbler.hatenablog.com/entry/20181222/1545495849>

`\KKvOpChange` can change font and color of the output of `\KKverb`. Also, it can activate or deactivate the scanner. The usage is as follows:

Input

```

1  {\KKvOpChange{color=blue, font=\gtfamily, enabled=true}%
2  \KKverb|\def\TEST{Test Text.}|}

```

Output

```

\def\TEST{Test Text.}

```

表 1: Default Values of `\KKvOpChange`

Key	Default Value	Description
font	<code>\ttfamily</code>	Sets the font for the verbatim text.
color	<code>color</code>	Sets the text color (requires <code>xcolor</code>).
enabled	<code>true</code>	Activates or deactivates the scanning engine.