

prettytok — Pretty-print token lists*

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Abstract

Pretty-print token lists.

1 Usage

1.1 Main function

<code>\pretty:n</code>	<code>\pretty:n {⟨token list⟩}</code>
<code>\pretty:(x o V)</code>	Print the content of <code>⟨token list⟩</code> .

<code>\pretty:N</code>	<code>\pretty:N ⟨token⟩</code>
<code>\pretty:c</code>	<code>\pretty:c {⟨control sequence name⟩}</code>

Print `⟨token⟩`.

This function is not very useful. Usually it's preferable to use `\pretty:V` to print a token list variable's value, or `\prettyshow:N` to print a control sequence's meaning.

1.2 View result

The result is printed to a HTML file named `pretty-⟨jobname⟩.html` by default. Open the file in any browser to view the result.

Note that the HTML file will not be touched if nothing is printed, as such it's encouraged to add a line such as `\pretty:n {start}` right after loading the file.

Why HTML file?

- Because if the TeX program stops with error / has some error that corrupts the PDF output, the output will even with corrupted more by the debug print.
- Printing to the console is extremely limited (difficult syntax highlighting/scrolling/line wrapping), and most likely cluttered with the traceback/other TeX default output.
- Output to another TeX file to be compiled is a bit absurd, and compiling TeX file takes longer than loading a HTML file.

By default, the output refreshes whenever the TeX file is recompiled. The behavior can be customized with `\prettyrefreshstrategy` and `\prettyrefreshduration`.

*This file describes version v0.0.0, last revised 2022/05/28.

1.3 L^AT_EX2 interface

<hr/> <code>\prettyN</code>	<code>\prettyN {⟨token list⟩}</code>
<code>\prettyX</code>	Alias of the correspondingly-named commands.
<code>\prettyO</code>	
<hr/> <code>\prettyV</code>	

1.4 Additional functions

There are also these functions, for convenience.

<hr/> <code>\pretty:nn</code>	<code>\pretty:nn {⟨token list⟩} {⟨token list⟩}</code>
<hr/> <code>\pretty:nnn</code>	<code>\pretty:nnn {⟨token list⟩} {⟨token list⟩} {⟨token list⟩}</code>

Print multiple token lists.

<hr/> <code>\pretty:w</code>	<code>\pretty:w ⟨token list⟩ \prettystop</code>
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Print the content of `⟨token list⟩`. For now, it must be brace-balanced.

<hr/> <code>\prettyshow:N</code>	<code>\prettyshow:N ⟨token⟩</code>
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Show the meaning of a N-type argument.

1.5 Customization

These variables can be redefined before the first call to `\pretty:n` to customize the behavior.

<hr/> <code>\prettyfilename</code>	The output file name. Defaults to <code>pretty-⟨jobname⟩.html</code> , as mentioned above.
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<hr/> <code>\prettyrefreshstrategy</code>	The auto-refresh strategy. Allowed values are 0-4. 0 is no refresh. Which value works best depends on the particular browser. On Google Chrome, passing <code>--allow-file-access-from-files</code> may be useful.
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<hr/> <code>\prettyrefreshduration</code>	The duration between two consecutive refresh check, in milliseconds. Defaults to 1000.
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<hr/> <code>\prettypreamble</code>	The HTML source code preamble. This can be redefined to change styles, but the behavior is not guaranteed.
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2 Implementation

Unfortunately, the implementation is not typesetted in T_EX. Read the `.sty` file.

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