# Package 'highlight'

April 8, 2013

Type Package

Version 0.4.0

Title Syntax highlighter

 renderer\_html
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# Description

Syntax highlighter for R based on output from the R parser

# **Details**

Package: highlight
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LazyLoad: yes

# Author(s)

Romain François

Maintainer: Romain Francois <romain@r-enthusiasts.com>

#### See Also

The main function of the package is highlight.

highlight delegates rendering the document to renderers, such as the renderer\_latex or renderer\_html and is helped by a detective to make sense of the results from the parser. The package ships a dummy\_detective and a simple\_detective.

The package also defines a custom sweave driver (HighlightWeaveLatex) for latex based on the standard sweave latex driver (RweaveLatex) using highlight to perform syntax highlighting of R code chunks.

```
## Not run:
tf <- tempfile()
dump( "glm" , file = tf )

# rendering in html
highlight( tf, output = stdout(),
renderer = renderer_html() )</pre>
```

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```
# rendering in latex
highlight( tf, output = stdout(),
renderer = renderer_latex() )
# Sweave driver using syntax highlighting
if( require( grid ) ){
v <- vignette( "grid", package = "grid" )$file</pre>
file.copy( v, "grid.Snw" )
Sweave( "grid.Snw", driver= HighlightWeaveLatex() )
system( "pdflatex grid.tex" )
if (.Platform$OS.type == "windows"){
shell.exec( "grid.pdf" )
system(paste(shQuote(getOption("pdfviewer")), "grid.pdf" ),
wait = FALSE)
}
}
unlink( tf )
## End(Not run)
```

boxes\_latex

Creates the set of latex boxes

#### **Description**

This function returns the set of latex boxes definitions that should be included in the document preamble. The latex renderer includes these definitions automatically when the document argument is TRUE, but not otherwise.

# Usage

```
boxes_latex()
```

## Value

A character vector containing latex definitions for boxes used by the latex renderer

#### Author(s)

Romain Francois <romain@r-enthusiasts.com>

# See Also

translator\_latex translates text into markup that makes use of these boxes.

```
## Not run:
boxes_latex()
## End(Not run)
```

4 css.parser

css.parser

Minimal CSS parser

## **Description**

Minimal CSS (Cascading Style Sheets) parser.

#### **Usage**

```
css.parser(file, lines = readLines(file))
```

#### **Arguments**

file file to parse

lines of text to parse, read from 'file' by default

#### Value

A list with one element per style class declaration. Each element is a list which has one element per CSS setting ('color', 'background', ...)

#### Note

The parser is very minimal and will only identify CSS declarations like the following:

```
.classname{
setting1 : value ;
setting2 : value ;
}
```

The line where a declaration occurs must start with a dot, followed by the name of the class and a left brace. The declaration ends with the first line that starts with a right brace. The function will warn about class names containing numbers as this is likely to cause trouble when the parsed style is translated into another language (e.g. latex commands).

Within the css declaration, the parser identifies setting/value pairs separated by ':' on a single line. Each setting must be on a seperate line.

If the setting is 'color' or 'background', the parser then tries to map the value to a hex color specification by trying the following options: the value is already a hex color, the name of the color is one of the 16 w3c standard colors (see <a href="http://www.w3schools.com/css/css\_colors.asp">http://www.w3schools.com/css/css\_colors.asp</a>), the name is an R color (see <a href="colors">colors</a>), the color is specified as 'rgb(r,g,b)'. If all fails, the color used is black for the 'color' setting and 'white' for the 'background' setting.

Other settings are not further parsed at present.

## Author(s)

Romain François <romain@r-enthusiasts.com>

### References

```
http://www.w3schools.com/css/ http://www.w3schools.com/css/css_colors.asp
```

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## **Examples**

```
## Not run:
cssfile <- system.file( "stylesheet", "default.css", package="highlight")
css.parser( cssfile )
## End(Not run)</pre>
```

dummy\_detective

Incompetent detective

# Description

The simplest possible detective. It simply returns an empty character vector of the appropriate length.

#### Usage

```
dummy_detective(x, ...)
```

# **Arguments**

x The result of the parse. The only information this detective uses is the number of tokens.

... Additional arguments. Ignored.

## Value

An empty character vector of the appropriate length, corresponding to the number of tokens to render.

## Note

This is mostly here to illustrate the simplest possible detective implementation.

# Author(s)

Romain François <romain@r-enthusiasts.com>

# See Also

Actual detective: simple\_detective

```
## Not run:
tf <- tempfile()
dump( "jitter", file = tf )
highlight( file = tf, detective = dummy_detective,
renderer = renderer_html( document = TRUE ) )
## End(Not run)</pre>
```

6 external\_highlight

external\_highlight Multi-language source code highlighter

# **Description**

Multi language source code highlighter

# Usage

```
external_highlight(file, outfile = stdout(), theme = "kwrite",
    lang = NULL,
    type = "HTML",
    line_numbers = FALSE,
    doc = TRUE,
    code
    )
```

# **Arguments**

file	Source file to highlight.
outfile	Destination of the highlighted code. When NULL, the code is simply returned as a character vector
theme	One of the themes. See highlight_themes for the list of available themes.
lang	The language in which the code is to be interpreted. If this argument is not given, it will be deduced from the file extension.
type	Output format. See highlight_output_types for the list of supported output types.
line_numbers	if TRUE, the result will include line numbers
doc	if TRUE, the result is a stand alone document, otherwise, just a portion to include in a document.
code	If code is given, then the source code is not read from the file.

# Value

Nothing if outfile is given, with the side effect of writing into the file.

The result as a character vector if outfile is NULL

# References

Based on the highlight library from http://www.andre-simon.de/index.html

# See Also

highlight to highlight R code using the information from the parser.

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 ${\tt formatter\_html}$ 

html formatter

# **Description**

Wraps tokens into span tags with the class corresponding to the style

# Usage

```
formatter_html(tokens, styles, ...)
```

# Arguments

tokens to wrap

styles styles to give to the tokens

... ignored

#### Value

A vector of span tags

# Author(s)

Romain Francois <romain@r-enthusiasts.com>

# See Also

```
renderer_html
```

# **Examples**

```
## Not run:
f <- formatter_html()
f( "hello world", "blue")
## End(Not run)</pre>
```

formatter\_latex

Latex formatter

# Description

Combines tokens and styles into a latex command

# Usage

```
formatter_latex(tokens, styles, ...)
```

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## **Arguments**

tokens vector of tokens styles vector of styles ... ignored

# Value

A vector of latex commands

# Author(s)

Romain François <romain@r-enthusiasts.com>

#### See Also

```
renderer_latex
```

# **Examples**

```
## Not run:
formatter_latex( "hello world", "blue" )
## End(Not run)
```

getStyleFile

get a style file

# Description

This function retrieves the path of a style file by looking in various places of the system

# Usage

```
getStyleFile(name = "default", extension = "css")
```

# Arguments

name name of the stylesheet, without extension extension of the stylesheet (e.g. css)

# **Details**

The function looks for a file called 'name.extension' in the following places: the current working directory (see getwd), the user directory used by highlight ('~/.R/highlight'), the 'stylesheet' directory of the installed package.

# Value

The first file found is returned. If no file is found, the function returns NULL.

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#### Author(s)

Romain Francois <romain@r-enthusiasts.com>

# **Examples**

```
## Not run:
getwd()
file.path(Sys.getenv("HOME"), ".R", "highlight" )
system.file("stylesheet", package = "highlight")
## End(Not run)
```

header\_html

html renderer header and footer

# **Description**

these functions build the header function and the footer function used by the html renderer

# Usage

```
header_html(document, stylesheet)
footer_html(document)
```

# **Arguments**

document logical. If TRUE the built header and footer functions will return the beginning

and end of a full html document. If FALSE, the built functions will only return

the opening and closing '' tags.

stylesheet stylesheet to use. See getStyleFile for details on where the stylesheet can be

located.

#### Value

header and footer functions.

# Author(s)

Romain François <romain@r-enthusiasts.com>

### See Also

renderer\_html uses these functions to create a renderer suitable for the 'renderer' argument of highlight

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#### **Examples**

```
h <- header_html( document = FALSE )
h()
h <- header_html( document = TRUE, stylesheet = "default")
h()
f <- footer_html( document = TRUE )
f()
f <- footer_html( document = FALSE )
f()</pre>
```

header\_latex

latex header and footer

#### **Description**

These functions return appropriate header and footer functions for the latex renderer

# Usage

```
header_latex(document, styles, boxes, minipage = FALSE)
footer_latex(document, minipage = FALSE)
```

# **Arguments**

document logical. If TRUE the header and footer functions will create the full document

(including preamble with boxes and styles)

styles a vector of style definitions to include in the preamble if document is TRUE boxes a vector of boxes definitions to include in the preamble if document is TRUE

minipage if TRUE, the highlighted latex is included in a minipage environment

# Value

A function is returned, suitable for the header or footer argument of the latex renderer

# Author(s)

Romain François <romain@r-enthusiasts.com>

#### See Also

```
renderer_latex
```

```
## Not run:
h <- header_latex( document = FALSE )
h()
f <- footer_latex( document = FALSE )
f()
## End(Not run)</pre>
```

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highlight	syntax highlighting based on the R parser

# Description

The highlight function performs syntax highlighting based on the results of the parse and the investigation of a detective.

# Usage

# Arguments

file	code file to parse. This is only used if the parse.output is given
output	where to write the rendered text. If this is anything else than the default (standard output), the sink function is used to redirect the standard output to the output.
detective	the detective chooses the style to apply to each token, basing its investigation on the results of the parse
renderer	highlight delegates rendering the information to the renderer. This package includes html and latex renderers. See renderer_html and renderer_latex
encoding	encoding to assume for the file. the argument is directly passed to the parse.
parse.output	output from the parse. If this is given, the arguments file and encoding are not used
styles	result of the detective investigation. A character vector with as many elements as there are tokens in the parser output
expr	In case we want to render only one expression and not the full parse tree, this argument can be used to specify which expression to render. The default (NULL) means render all expressions. This feature is used by the sweave driver shipped with this package. See HighlightWeaveLatex
final.newline	logical. Indicates if a newline character is added after all tokens.
showPrompts	if TRUE, the highlighted text will show standard and continue prompt
prompt	standard prompt
continue	continue prompt
initial.spaces	should initial spaces be displayed or skipped.
size	font size. only respected by the latex renderer so far.
show_line_numbe	
	logical. When TRUE, line numbers are shown in the output.
• • •	additional arguments, currently ignored.

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#### Value

The resulting formatted text is returned invisibly. It is also written to the output if the output is not NULL

#### Note

At the moment, the result is sent to the output by means of a call to sink. This is mainly due to the fact that the writing is performed by a C function and the R API does not allow packages to use connections in the C code.

## Author(s)

Romain François <romain@r-enthusiasts.com>

#### See Also

renderer\_html and renderer\_latex are the two implementation of renderers currently available in this package. The 'xterm256' package defines an additional renderer that uses xterm escape sequences.

simple\_detective is an example detective which does a very simple investigation.

```
## Not run:
tf <- tempfile()</pre>
dump( "jitter", file = tf )
highlight( file = tf, detective = simple_detective,
renderer = renderer_html( document = TRUE ) )
highlight( file = tf, detective = simple_detective,
renderer = renderer_latex( document = TRUE ) )
# verbatim renderer that upper cases function names
uppercase_formatter <- function( tokens, styles, ...){</pre>
out <- tokens
fcalls <- styles == "functioncall"</pre>
out[ fcalls ] <- casefold( out[ fcalls ], upper = TRUE )</pre>
out
}
uppercase_renderer <- renderer_verbatim(</pre>
formatter = uppercase_formatter )
\# to debug the formatter, use this :
# debug( uppercase_renderer$formatter )
# because this will not work:
# debug( uppercase_formatter )
highlight( file = tf, detective = simple_detective,
renderer = uppercase_renderer )
## End(Not run)
```

highlight.httpd.handler

```
highlight.httpd.handler
```

httpd handler for highlight

# **Description**

httpd handler for highlight

# Usage

```
highlight.httpd.handler(path, query = NULL, ...)
```

# **Arguments**

```
path path of the http request query ignored ...
```

#### **Details**

Since R version 2.11.0, highlight installs a custom handler to handle http request of the prefix "/custom/highlight".

# Author(s)

Romain François <romain@r-enthusiasts.com>

## See Also

highlight is used with the html renderer renderer\_html

HighlightWeaveLatex Sweave driver performing syntax highlighting

# Description

Sweave driver using the highlight latex renderer to perform syntax highlighting of input R code in sweave chunks.

# Usage

```
HighlightWeaveLatex(
boxes=FALSE, bg = rgb( 0.95,0.95,0.95, maxColorValue = 1 ), border = "black",
highlight.options = list( boxes = boxes, bg = bg, border = border ) )
```

#### **Arguments**

boxes if TRUE, code blocks are wrapped in boxes.

bg background color for code boxes.

border color to use for the border of code boxes.

highlight.options

Can be used instead of the other arguments to set the boxes, bg and border

settings.

#### **Details**

This sweave driver is very similar to standard driver that is included in 'utils'. The difference is that input R code and verbatim output is rendered using highlight enabling syntax highlighting of R code.

Instead of using 'Sinput' and 'Soutput' commands, this driver uses 'Hinput' and 'Houtput' and defines these commands at the very beginning of the document, letting the user the option to overwrite them as necessary.

Latex boxes defined by the latex renderer (renderer\_latex) and style definitions needed are also written at the beginning of the document.

Because highlight does not use verbatim environments, the user of this driver can freely redefine the 'Hinput', 'Houtput' and 'Hchunk' environments to achieve greater control of the output latex document than with the standard driver.

#### Value

A sweave driver, suitable for the 'driver' argument of Sweave

## Author(s)

Romain François <romain@r-enthusiasts.com>

#### References

Friedrich Leisch. Sweave: Dynamic generation of statistical reports using literate data analysis. In Wolfgang Härdle and Bernd Rönz, editors, Compstat 2002 - Proceedings in Computational Statistics, pages 575-580. Physica Verlag, Heidelberg, 2002. ISBN 3-7908-1517-9

## See Also

the standard sweave latex driver: RweaveLatex

```
## Not run:
# using the driver on the grid vignette
require( grid )
v <- vignette( "grid", package = "grid" )$file
file.copy( v, "grid.Snw" )
Sweave( "grid.Snw", driver= HighlightWeaveLatex() )
## End(Not run)</pre>
```

highlight\_output\_types

```
highlight_output_types
```

List of available output types supported by external\_highlight

# Description

List of available output types supported by external\_highlight

# Usage

```
highlight_output_types()
```

# Value

A character vector with the list of supported types

# See Also

```
{\tt external\_highlight}
```

# **Examples**

```
highlight_output_types()
```

highlight\_themes

List of themes supported by external\_highlight

# Description

List of themes supported by external\_highlight

# Usage

```
highlight_themes()
```

# Value

A character vector with the names of the themes

```
highlight_themes()
```

16 renderer

renderer highlight renderer
-----------------------------

# **Description**

The function builds a renderer, suitable for the renderer argument of the highlight function. In the highlight process, renderers are responsible to render the information in the target markup language.

# Usage

```
renderer(translator, formatter, space, newline, header, footer, ...)
```

# **Arguments**

translator	This argument should be a function with one argument. The translator needs to work token characters so that they display nicely in the target markup language.
formatter	The formatter should be a function with at least two arguments: the tokens and the styles. These two arguments are supplied to the formatter by the highlight function. The formatter should wrap tokens and styles into the target markup language. For example, the formatter used by the html renderer makes a ' <span>' tag of 'class' given by the 'styles' and content given by the 'token'.</span>
space	This should be a function with no argument. The output of this function should be a character vector of length one giving the representation of a space character in the target language. For example, in the latex renderer, the function returns "{\ }".
newline	This should be a function with no argument. The output of the function is a character vector of length one giving the representation of a newline character in the target language.
header	This should be a function with no argument. The output of this function is a character vector of arbitrary length. The elements of the output are written before the highlighted content. headers and footers are used to embed the highlighted tokens into some markup. For example, the header used in the html renderer starts a ' <pre>re&gt;' tag that is closed by the footer. headers and footer might also be used to write style definitions such as CSS, STY,</pre>
footer	This should be a function with no argument. The output of this function is written after all tokens.
	Additional arguments. This might be used to store additional renderer specific objects.

# Value

A 'renderer' object. Renderer objects define the interface expected by the highlight function. At the moment, a renderer object is a list of class 'renderer' containing elements: 'translator', 'formatter', 'space', 'newline', 'header' and 'footer'.

# Note

Implementations of renderers should call this function to ensure that a proper renderer is created. At the moment, no checking is performed to ensure that the built object complies with the expected interface, but this is very likely to change.

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#### Author(s)

Romain François <fr ancoisromain@free.fr>

#### See Also

The renderer\_html implements a renderer using html markup, '<span>' tags and CSS.

The renderer\_latex implements a latex renderer.

The renderer\_verbatim implements a renderer that does not do anything.

The renderer\_xterm function in the xterm256 package implements a renderer based on the 256 color mode of xterm suitable for rendering the information in an xterm console.

# **Examples**

```
## Not run:
# html renderer which will render the content as a document
# (starting with <html> tags
r <- renderer_html( document = T )

# html renderer suitable to render the information within
# an already built document
r <- renderer_html( document = F )

## End(Not run)</pre>
```

renderer\_html

html renderer using span tags and CSS

# **Description**

implementation of the renderer that renders the information as a series of '<span>' html tags

#### Usage

```
renderer_html(document = TRUE, translator = translator_html,
formatter = formatter_html, space = space_html,
newline = newline_html, header = header_html(document, stylesheet),
footer = footer_html(document),
stylesheet = "default" , ...)
translator_html( x, size )
space_html()
newline_html()
```

# **Arguments**

document	logical. Indicates if the renderer should render a full document or simply a
	' <pre>' section containing the highlighted tokens. This argument is used by the</pre>
	header_html and footer_html to build appropriate header and footer.
translator	Since the highlighted tokens are wrapped in a ' <pre>' tag, no further translation is needed.</pre>
formatter	html formatter, creates ' <span>' tags for all tokens. See formatter html</span>

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space returns a space character newline returns a newline character header html header. Depending on the 'document' argument, this will be a function building a the beginning of a complete html document (starting with '<html>') including css definitions or simply a function returning '' enabling the renderer to be used to just render the syntax as part of a bigger document. footer html footer. Depending on the 'document' argument, this will either close the full document (close the '</html>' tag) or simply close the '' tag. stylesheet stylesheet to use. This is used by the header when document is TRUE. The content of the stylesheet is copied verbatim into a '<style>' tag in that case. See getStyleFile for details on where the stylesheet can be located argument to the translator. Returned as is. Х

size font size. ignored

Additional arguments. unused.

#### Value

A renderer capable suitable for the 'renderer' argument of highlight

### Author(s)

Romain François <romain@r-enthusiasts.com>

## See Also

renderer for a description of the interface this renderer is implementing. highlight takes a renderer argument to which it delegates rendering.

# **Examples**

```
## Not run:
r <- renderer_html()</pre>
## End(Not run)
```

renderer\_latex

LaTeX renderer

# **Description**

renderer implementation targetting latex markup. The result markup uses the latex 'alltt' package to achieve true type renderering and therefore does not depend on verbatim-like environments.

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#### Usage

```
renderer_latex(document = TRUE, boxes = boxes_latex(),
translator = translator_latex, formatter = formatter_latex,
space = space_latex, newline = newline_latex,
stylesheet = "default",
styles = styler(stylesheet, "sty", styler_assistant_latex),
header = header_latex(document, styles = styles, boxes = boxes, minipage = minipage),
footer = footer_latex(document, minipage = minipage),
minipage = FALSE, ...)
newline_latex()
space_latex()
```

#### **Arguments**

document logical. Should the renderer create the full document or only the code section,

assuming the document is already created. Using FALSE is used by the sweave

driver shipped with this package.

boxes a function that returns definitions of latex boxes used for non standard charac-

ters. The reason for using boxes is that some character need to be escaped to be rendered, and unfortunately, escaping turns allt off, which does not produce satisfying rendering. This argument is used by the header function when the document argument is TRUE. It is also used in the sweave driver at the very

beginning of the document

translator translation of characters into latex markup. See translator\_latex for details

formatter latex formatter. Tokens are wrapped into a latex command related to the style

they should honor.

space returns a space character that does not get reduced by latex

newline returns a newline character

stylesheet stylesheet to use.

styles style definitions inferred from the parsing of the stylesheet. See styler and

styler\_assistant\_latex.

header returns the header. If the document argument is TRUE, the header contains the

style definitions and the boxes definitions. If it is FALSE, a minimal header is produced to turn alltt on. In the latter case, boxes and style definitions are assumed to have been inserted already, latex will not compile the document

otherwise.

footer returns the footer. Depending on the document argument, either a minimal footer

is produced (turning off alltt) or the full latex document is closed.

minipage if TRUE, the highlighted latex is included in a minipage environment

... Additional arguments

#### Value

a 'renderer' object, suitable for the 'renderer' argument of highlight.

# Author(s)

Romain Francois <romain@r-enthusiasts.com>

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#### See Also

the sweave driver HighlightWeaveLatex makes extensive use if this renderer.

#### **Examples**

```
## Not run:
r <- renderer_latex(document = T )
r$space()
r$newline()
r$boxes()
r$translator( "# the hash symbol gets a latex box" )
## End(Not run)</pre>
```

renderer\_verbatim

A dummy renderer

# Description

The most simple renderer. It simply writes tokens as they are on the input file

# Usage

```
renderer_verbatim(translator = translator_verbatim,
formatter = formatter_verbatim, space = space_verbatim,
newline = newline_verbatim, header = header_verbatim,
footer = footer_verbatim( ...)
translator_verbatim(x, size)
formatter_verbatim( tokens, styles, ...)
space_verbatim()
newline_verbatim()
header_verbatim()
footer_verbatim()
```

#### **Arguments**

translator	Dummy translator. Returns the input as it is.
formatter	Dummy formatter. Returns the tokens as they are, the styles argument is not used.
space	return a space character
newline	return a newline character
header	return an empty character vector
footer	return a newline character
	Additional ignored arguments.
X	The input of the translator, returned as is
tokens	The tokens to format. They are returned as is by the formatter
styles	The styles to use to format the tokens. They are not used
size	font size. ignored

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#### Value

A 'renderer' object.

# Author(s)

Romain Francois <romain@r-enthusiasts.com>

# **Examples**

```
## Not run:
r <- renderer_verbatim()
r$space()
r$header()
r$translator( "rnorm" )
r$formatter( "rnorm", "blue")
## End(Not run)</pre>
```

simple\_detective

Simple detective

# Description

This detective only uses semantic information to make its investigation.

# Usage

```
simple_detective(x, ...)
```

# **Arguments**

x output of the parser. The detective is only interested in the 'token' column of the data.... Ignored

# Value

a vector of styles grouping similar tokens together

#### Note

the '"default"' stylesheet is well suited to work with this detective

# Author(s)

Romain Francois <romain@r-enthusiasts.com>

# See Also

```
dummy_detective
```

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#### **Examples**

```
## Not run:
p <- parse( text = deparse( jitter ), keep.source=TRUE )
simple_detective( p )
## End(Not run)</pre>
```

styler

Style definition generator

# **Description**

This generates style definitions either by including a language specific style file (e.g. sty file for latex) or by parsing a css stylesheet

# Usage

```
styler(stylesheet, extension = "css", assistant)
```

# **Arguments**

stylesheet name of the stylesheet.

extension extension of the language specific format for the stylesheet.

assistant function to which the styler delegates understanding of the parser output

## **Details**

First, the function attempts to retrieve a language specific stylesheet using the <code>getStyleFile</code> function. If a language specific stylesheet is found, it returns the content of the file as a character vector. Second, the function attemps to find a css stylesheet using <code>getStyleFile</code>, parse the css declarations using the <code>css.parser</code> function, and delegates to the 'assistant' which is responsible to translate the results of the css parser into language specific declarations.

## Value

a character vector containing style declarations in the target language

# Author(s)

Romain Francois <romain@r-enthusiasts.com>

#### See Also

styler\_assistant\_latex gives a concrete implementation of the assistant for the latex language

```
## Not run:
styler( "default", "sty", styler_assistant_latex )
## End(Not run)
```

styler\_assistant\_latex 23

# Description

This function takes the output of the css.parser and produces latex style definitions from it.

# Usage

```
styler_assistant_latex(x)
```

# **Arguments**

Х

output from css.parser

#### **Details**

The function create a new latex command for each css declaration, i.e. each item of the list 'x' it is passed.

The assistant currently honours the following css settings: color, 'text-decoration:underline', 'font-weight:bold[er]' and 'font-style:italic'

#### Value

a vector of latex style definitions corresponding to (a subset of) the output of the parser

# Author(s)

Romain Francois <romain@r-enthusiasts.com>

# See Also

```
styler
```

```
## Not run:
styler( "default", "sty", styler_assistant_latex )
css.out <- css.parser( getStyleFile( "default" ) )
styler_assistant_latex( css.out )
## End(Not run)</pre>
```

24 translator\_latex

translator\_latex

LaTeX translator

# Description

This function translates character vectors so that they nicely print in LaTeX. In particular this uses latex boxes.

# Usage

# Arguments

x text to translate size font size

#### Value

translated text

#### Author(s)

Romain Francois <romain@r-enthusiasts.com>

# See Also

the latex renderer: renderer\_latex uses this translator.

```
## Not run:
# the code is probably the best description of what this does
translator_latex
translator_latex( "#<" )
## End(Not run)</pre>
```

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