

Package ‘PreKnitPostHTMLRender’

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Title Pre-Knitting Processing and Post HTML-Rendering Processing

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Description

Dynamize headers or R code within 'Rmd' files to prevent proliferation of 'Rmd' files for similar reports. Add in external HTML document within 'rmarkdown' rendered HTML doc.

Depends R (>= 3.3.0)

Imports utils, tools, XML (>= 3.98-1.4), knitr (>= 1.13), rmarkdown (>= 0.9.6)

SystemRequirements pandoc (>= 1.12.3) -
<http://johnmacfarlane.net/pandoc>

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RoxygenNote 5.0.1

URL <https://github.com/chinsoon12/PreKnitPostHTMLRender>

BugReports <https://github.com/chinsoon12/PreKnitPostHTMLRender>

NeedsCompilation no

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eval_src	<i>Eval a character array of code</i>
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Description

Evaluate an array of code line by line and capture output

Usage

```
eval_src(srcCharVec, ...)
```

Arguments

srcCharVec	- code character array
...	- arguments to be passed on to other functions

post_html_render_proc	<i>Post HTML-Rendering Processing</i>
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Description

Evaluates code chunks in between ‘ these code chunks with evaluated output captured using capture.output function. Typically, we want to insert an external HTML file and we can use ‘ This function will read in the external html file and replace this ‘ contents in the html file.

Usage

```
post_html_render_proc(inhtml, outhtml = NULL)
```

Arguments

inhtml	- input file for be processed
outhtml	- output file name

```
preknit_knit_render_postrender
```

First Pre-knitting Processing, then knitr::knit, then rmarkdown::render, then Post HTML-rendering Processing

Description

1) In pre-knitting processing, function takes in a Rmd file, evaluates code chunks which are marked as between adjacent lines of `@@@s`, and then replace these code chunks with evaluated output captured using `capture.output` function. 2) Function then calls `knitr::knit` followed by `rmarkdown::render`. 3) After which, in post HTML-rendering processing, function evaluates code chunks in between `'` captured using `capture.output` function. Typically, we want to insert an external HTML file and we can use `'` This function will read in the external html file and replace this `'` contents in the html file.

Usage

```
preknit_knit_render_postrender(pRmdfile, outhtml = NULL)
```

Arguments

```
pRmdfile      - input Rmd file
outhtml       - output html file
```

Value

The output html file will have the codes between `@@@` and/or ``%%`` (where ``` is a backtick) code chunks evaluated

Examples

```
oldwd <- getwd()
setwd(tempdir())

#pandoc.exe is required to run this code
samplermd <- tempfile('test', getwd(), '.Rmd')
addhtml <- 'test__test.html'

#generate the test Rmd file
writeLines(c('---',
'title: "Example Usage"',
'output: html_document',
'---',
'',
'',
'This document is used for various similar reports.',
'',
'@@@',
```

```

"cat(paste('#Dynamic Header1', rnorm(1)))",
'@@@',
'',
'\%% writeLines(readLines("test__test.html"))\`',
'',
'@@@',
'cat(paste("##Dynamic Header2", rnorm(1)))',
'@@@',
'',
'Some content is invariant across different reports. '), samplermd)

#generate test html file
writeLines(c('<ul>',
'<li>Item 1</li>',
'<li>Item 2</li>',
'<li>Item 3</li>',
'</ul>'), addhtml)

#Pre-knit processing and post HTML render processing
preknit_knit_render_postrender(samplermd, "sample__html.html")

#output 'sample__html.html' is in tempdir()

setwd(oldwd)

```

pre_knit_proc

Pre-knitting Processing

Description

Evaluates code chunks which are marked as between adjacent lines of @@s. Replace these code chunks with evaluated output captured using capture.output function.

Usage

```
pre_knit_proc(infile, outfile = NULL)
```

Arguments

infile	- input file for be processed
outfile	- output file name

<code>run_code</code>	<i>Eval a line of code and capture output</i>
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Description

Run a line of code and capture output into a character string

Usage

```
run_code(online, envir)
```

Arguments

<code>online</code>	- code line
<code>envir</code>	- environment to evaluate the code in

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