

# Package ‘PreKnitPostHTMLRender’

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**Title** Pre-Knitting Processing and Post HTML-Rendering Processing

**Version** 0.1.0

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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>

**License** GPL (>= 2) | file LICENSE

**RoxygenNote** 5.0.1

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

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

**NeedsCompilation** no

**Repository** CRAN

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|          |                                       |
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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 |

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|                       |                                       |
|-----------------------|---------------------------------------|
| 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*

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## 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)
```

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pre\_knit\_proc

*Pre-knitting Processing*


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## 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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