Package: prismjs (via r-universe)

December 2, 2024

Type Package

Title Server-Side Syntax Highlighting

Version 2.0.1

Description Prism <https://prismjs.com/> is a lightweight, extensible syntax highlighter, built with modern web standards in mind. This package provides server-side rendering in R using 'V8' such that no JavaScript library is required in the resulting HTML documents. Over 400 languages are supported.

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URL https://ropensci.r-universe.dev/prismjs
https://docs.ropensci.org/prismjs/

BugReports https://github.com/ropensci/prismjs/issues

Encoding UTF-8

Imports V8, xml2

RoxygenNote 7.2.1

Roxygen list(markdown = TRUE)

Language en-US

Config/pak/sysreqs libxml2-dev libssl-dev libnode-dev

Repository https://ropensci.r-universe.dev

RemoteUrl https://github.com/ropensci/prismjs

RemoteRef master

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prismjs *Prism Syntax Highlighter*

Description

The `prism_highlight_text` function takes a string with a single code snippet and returns an html fragment with syntax classes. This html gets colorized by the prism stylesheet when both are inserted in an HTML document.

Usage

```
prism_highlight_text(txt, language = "r")

prism_highlight_document(
  input,
  output = NULL,
  include_css = FALSE,
  preview = interactive()
)

prism_process_xmldoc(doc)

prism_languages()
```

Arguments

`txt`	string with code that you want to highlight
`language`	the language that `txt` is in, one of `prism_languages()`.
`input`	literal html string, connection, or file path, passed to xml2::read_html
`output`	path to file or connection to write to, passed to xml2::write_html. Set `NULL` to return the entire output document as a character string.
`include_css`	insert the Prism css style (with the default theme) into the html header.
`preview`	opens the generated output html in a browser
`doc`	an xml2 document that will be modified in place such that all `<code class="language-xyz">` elements are replaced with highlighted html.

Details

The function `prism_highlight_document` processes an entire HTML document, similar to how PrismJS works in a browser. It automatically finds all `<code class="language-xyz">` elements in the document and substitutes these with highlighted html elements. Again, CSS is needed to actually colorize the html, you can use `include_css` to automatically inject the CSS in the html header if your input document does not have this yet.

Value

html with classes that can be colorized using a prims stylesheet

Examples

```
html <- prism_highlight_text('p { color: red }', language = 'css')
cat(html)
prism_languages()
```

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