

Package ‘rdoc’

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Type Package

Title Colourised R Documentation

Version 0.1.0

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Description

Extends tools::Rd2txt() by adding customisable text and colour formatting to R documentation contents. If used from a terminal, output will be displayed via file.show() otherwise contents will be printed in sections. Also provides stand-in replacements for ?() and help().

URL <https://github.com/mdequeljoe/rdoc>

BugReports <https://github.com/mdequeljoe/rdoc/issues>

License GPL-3

Encoding UTF-8

LazyData true

Imports R6, crayon, cli, prettycode, tools, utils

RoxygenNote 6.1.1

Suggests testthat, mockery, withr

NeedsCompilation no

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rdoc

Colourised R documentation

Description

Refer to colourised R docs as terminal output. Provides a replacement for help. A number of common (substantive) section accessors are also provided.

Usage

```
rdoc(topic, package = NULL, lib.loc = NULL)
```

```
rdoc_usage(topic, package = NULL, lib.loc = NULL)
```

```
rdoc_arguments(topic, package = NULL, lib.loc = NULL)
```

```
rdoc_details(topic, package = NULL, lib.loc = NULL)
```

```
rdoc_examples(topic, package = NULL, lib.loc = NULL)
```

Arguments

topic	character(1), help topic
package	character(1), package of help topic. Defaults to NULL
lib.loc	character(1), library location of package. Defaults to NULL

Details

The manner in which content is outputted depends on where it is being used. If used from a terminal the contents will be outputted via `file.show`. Otherwise the output will be printed interactively by sections unless this has been disabled via `options(rdoc.by_section = FALSE)`. When printing by section pressing the `<enter>` keypress will show the next section. Any other keypress will exit the interaction without printing any remaining sections. Color support is checked via `crayon::has_color()`. Customising rdoc output is possible via ‘options’, see [rdoc_options](#) for more details.

Examples

```
library(rdoc)
rdoc("rdoc")
rdoc_examples("min")
rdoc_usage(substr)
```

rdoc_options	<i>rdoc_options</i>
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Description

Rdoc uses the following options() to set output:

- ‘rdoc.by_section’: logical, output interactively printed by sections for console sessions. Sections will be printed with the <enter> keypress. Any other keypress will exit the interaction without printing the remaining sections. Default is TRUE.
- ‘rdoc.header’: logical, whether package header is included in the output. Default is TRUE.
- ‘rdoc.text_formats’: see [rdoc_text_formats](#)
- ‘rdoc.style’: see [rdoc_style](#)
- ‘rdoc.item_bullet’: Symbol to use for itemized lists. Default is `paste0(cli::symbol$circle, " ")`

rdoc_question	<i>Colourised R documentation</i>
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Description

Refer to colourised R docs as terminal output. Provides a replacement for ?. Meant primarily for use as an override in `use_rdoc()`

Usage

```
rdoc_question(type, topic)
```

Arguments

type	the special type of documentation to use for this topic; for example, if the type is <code>class</code> , documentation is provided for the class with name <code>topic</code> . See the Section ‘S4 Method Documentation’ for the uses of <code>type</code> to get help on formal methods, including methods?function and method?call.
topic	Usually, a name or character string specifying the topic for which help is sought. Alternatively, a function call to ask for documentation on a corresponding S4 method: see the section on S4 method documentation. The calls <code>pkg::topic</code> and <code>pkg:::topic</code> are treated specially, and look for help on <code>topic</code> in package <code>pkg</code> .

Details

The manner in which content is outputted depends on where it is being used. If used from a terminal the contents will be outputted via `file.show`. Otherwise the output will be printed interactively by sections unless this has been disabled via `options(rdoc.by_section = FALSE)`. When printing by section pressing the `<enter>` keypress will show the next section. Any other keypress will exit the interaction without printing any remaining sections. Color support is checked via `crayon::has_color()`. Customising rdoc output is possible via ‘options’, see [rdoc_options](#) for more details.

Examples

```
rdoc::rdoc_question('lapply')
```

rdoc_rd

Colourised R documentation

Description

Refer directly to .Rd file contents as terminal output.

Usage

```
rdoc_rd(path)
```

Arguments

path character(1), the path to an .Rd file

Details

The manner in which content is outputted depends on where it is being used. If used from a terminal the contents will be outputted via `file.show`. Otherwise the output will be printed interactively by sections unless this has been disabled via `options(rdoc.by_section = FALSE)`. When printing by section pressing the `<enter>` keypress will show the next section. Any other keypress will exit the interaction without printing any remaining sections. Color support is checked via `crayon::has_color()`. Customising rdoc output is possible via ‘options’, see [rdoc_options](#) for more details.

Examples

```
d <- system.file('extdata/rdoc_test.Rd', package = "rdoc")
rdoc::rdoc_rd(d)
```

rdoc_style	<i>rdoc style options</i>
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Description

Set Rd output formatting styles to be supplied to `options(rdoc.style = rdoc_style())`

Usage

```
rdoc_style(title = crayon::bold, section_titles = crayon::underline,  
arguments = NULL, code_style = prettycode::default_style())
```

Arguments

title	topic title.
section_titles	section titles
arguments	argument parameters.
code_style	code sections (e.g. examples) and inline code styles to be passed on to <code>prettycode::highlight</code>

Details

all inputs should be functions or NULL with the exception of `code_style` which should be a list of functions.

Value

A list

Examples

```
options(rdoc.style = rdoc::rdoc_style(arguments = crayon::italic))
```

rdoc_text	<i>Colourised R documentation</i>
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Description

Access the underlying rdoc text lines

Usage

```
rdoc_text(topic, package = NULL, lib.loc = NULL)
```

Arguments

topic	character(1), help topic
package	character(1), package of help topic. Defaults to NULL
lib.loc	character(1), library location of package. Defaults to NULL

Value

character

Examples

```
txt <- rdoc::rdoc_text('min')
```

rdoc_text_formats *Rdoc text formatting*

Description

Set Rd text format defaults to be supplied to options(`rdoc.text_formats = rdoc_text_formats()`)

Usage

```
rdoc_text_formats(r_logo = crayon::combine_styles("bold", "blue"),
  pkg = function(x) paste0("{", x, "}"),
  inline_code = prettycode::default_style(), italic = crayon::italic,
  bold = crayon::bold, table = list(float = "center", border_style =
  "single", align = "left"), email = crayon::underline,
  url = crayon::underline, href = crayon::underline,
  link = function(x) x)
```

Arguments

r_logo	R symbol
pkg	pkg references
inline_code	inline code, options to pass to the style argument of <code>prettycode::highlight</code> as a list of functions.
italic	<i>italic</i> font
bold	bold font
table	tabular, options to pass to <code>cli::boxx</code> as a list.
email	email formats
url	url references
href	href
link	links

Details

The input will generally be a function, unless otherwise indicated above. Functions must take and return a character vector. If set as NULL, the relevant text will be displayed using the defaults of `tools::Rd2txt` or the calling function it is passed to. Note that `href` and `link` formatting refer to the source reference which will otherwise be excluded by `tools::Rd2txt`.

`use_rdoc`*Base replacements*

Description

rdoc replacements for `?` and `help`

Usage

```
use_rdoc()
```

```
rm_rdoc()
```

Details

Calling `use_rdoc()` will override `utils::`?`` with `rdoc_question` and `utils::help` with `rdoc`. These replacements can be unset by calling `rm_rdoc()`.

Examples

```
rdoc::use_rdoc()
?help
rdoc::rm_rdoc()
?help
```

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