Package 'pakret'

Title Cite 'R' Packages on the Fly in 'R Markdown' and 'Quarto'

Version 0.2.2

Description References and cites 'R' and 'R' packages on the fly in 'R
Markdown' and 'Quarto'. 'pakret' provides a minimalistic API that
generates preformatted citations of 'R' and 'R' packages, and adds
their reference to a '.bib' file directly from within your document.

License GPL (>= 3)

URL https://arnaudgallou.github.io/pakret/,
https://github.com/arnaudgallou/pakret

BugReports https://github.com/arnaudgallou/pakret/issues

Depends R (>= 3.6.0)

Imports knitr, readr (>= 1.0.0), rmarkdown, utils, withr (>= 2.5.0)

Suggests callr (>= 3.7.5), pkgload, testthat (>= 3.0.0), usethis

Config/Needs/website arnaudgallou/cygne

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Encoding UTF-8

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Repository CRAN

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pkrt   *Cite R or an R package*

Description

Creates a preformatted citation of R or an R package. This function should normally only be used in an R Markdown or Quarto document, in which case `pkrt()` automatically references the cited package in the first (by default) `.bib` file specified in the YAML header if no references of the package already exist.

Usage

```
pkrt(pkg)
```

Arguments

pkg   Name of the package to cite.

Value

A character string.

Examples

```
pkrt("pakret")

pkrt("R")
```

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pkrt_list   *Cite a collection of R packages*

Description

Creates a list of package citations that can be turned into a character string or data frame. This function should normally only be used in an R Markdown or Quarto document, in which case `pkrt_list()` automatically references the cited packages in the first (by default) `.bib` file specified in the YAML header if no references of the packages already exist.

Usage

```
pkrt_list(...)
```

Arguments

...   Character vectors, separated by commas, of packages to cite.

Details

This function automatically discards duplicate and base packages. You can use `pkrt_list()` in combination with `renv::dependencies()` to cite all the packages used in a project or directory.

Value

A list of package citations with S3 class `pkrt_list`.

Examples

```
# Create a list of citations
citations <- pkrt_list("pakret", "readr", "withr")

# You can then turn the citations into a character string
paste(citations, collapse = ", ")

# Or a data frame
as.data.frame(citations)
```

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pkrt_set   *Configure pakret's settings*

Description

This function allows you to configure pakret's settings, e.g. to customize citation templates or control which `.bib` file to save references to.

Usage

```
pkrt_set(...)
```

Arguments

`...`	Key-value pairs, separated by commas, of parameters to set. See details.

Details

Valid parameters are:

- **bib** `<character|numeric>` = `1L` Name or index of the `.bib` file to save references to.
- **pkg** `<character>` = `"the ':pkg' package version :ver [:ref]"` Template used to cite a package.
- **pkg_list** `<character>` = `"':pkg' v. :ver [:ref]"` Template used in `pkrt_list()`.
- **r** `<character>` = `"R version :ver [:ref]"` Template used to cite R.

New settings only apply to citations that come after `pkrt_set()`. This means that you can redefine the same settings multiple times in the same document to alter pakret's behavior for a few specific citations only.

Use `NULL` to reset a parameter to its default value.

Value

This function is called for its side-effect. It returns no value.

Examples

```
pkrt_set(pkg = ":pkg (v. :ver) :ref")
pkrt("pakret")

# `NULL` resets parameters to their default value
pkrt_set(pkg = NULL)
pkrt("pakret")
```

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