

Package: super (via r-universe)

November 22, 2024

Title Interpreted String Literals

Version 0.0.3.9000

Description An implementation of interpreted string literals. Based on the 'glue' package by Hester & Bryan (2024) [<doi:10.32614/CRAN.package.glue>](https://doi.org/10.32614/CRAN.package.glue) but with a focus on efficiency and simplicity at a cost of flexibility.

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URL <https://timtaylor.github.io/super/>

BugReports <https://github.com/TimTaylor/super/issues>

Depends R (>= 3.6)

Suggests glue, litedown, microbenchmark, tinytest

VignetteBuilder litedown

Encoding UTF-8

Roxygen list(markdown = TRUE)

RoxygenNote 7.3.2

Config/build/compilation-database true

Repository <https://timtaylor.r-universe.dev>

RemoteUrl <https://github.com/TimTaylor/super>

RemoteRef HEAD

RemoteSha e54b170a052baf53b045fc5895de6c037da77463

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`glue`*Format and interpolate a string*

Description

Inputs enclosed by braces (e.g. `{name}`) are looked up in the provided environment (akin to calling `get()`). Single braces can be escaped by doubling them up. Variables are recycled to the length of the largest one.

`glue()` operates on the string as is.

`glut()` will `trim` the input prior to glueing.

Usage

```
glue(x, env = parent.frame())
```

```
glut(x, env = parent.frame())
```

Arguments

`x` [character string]

`env` [environment]

Where to look up the embraced input.

Can be an environment or a list-like object that will be converted in the underlying function via `list2env()`.

Value

A character object.

See Also

[glue::glue_safe\(\)](#) and [glue::glue_data_safe\(\)](#) on which this function is an evolution.

Examples

```
name <- "Fred"
age <- 50
cat(glue("My name is {name} and my age next year is {age}"))
```

```
# glut first trims the output
anniversary <- as.Date("1991-10-12")
cat(glut("
  My name is {name},
  my age next year is {age},
  my anniversary is {anniversary}.
"))
```

```
# single braces can be inserted by doubling them
```

```
glue("My name is {name}, not {{name}}.")

# List like objects can be used in place of an environment
dat <- cbind(car = rownames(mtcars), mtcars)
glue("{car} does {mpg} mpg.", dat)
```

trim

Trim a character vector

Description

Almost identical to `glue::trim()` save a slight difference in error handling for non-character input. This function trims a character vector according to the trimming rules used by glue. These follow similar rules to [Python Docstrings](#), with the following features:

- Leading and trailing whitespace from the first and last lines is removed.
- A uniform amount of indentation is stripped from the second line on, equal to the minimum indentation of all non-blank lines after the first.
- Lines can be continued across newlines by using `\\`.

Usage

```
trim(x)
```

Arguments

x [character].

Value

A character vector.

See Also

[glue::trim\(\)](#).

Examples

```
cat(trim("
  A formatted string
  Can have multiple lines
  with additional indentation preserved
"))

cat(trim("
  \ntrailing or leading newlines can be added explicitly\n
"))
```

```
cat(trim("
  A formatted string \\
  can also be on a \\
  single line
"))
```

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