

Package: kwb.default (via r-universe)

September 2, 2024

Type Package

Title Get and Set Function Argument Defaults

Version 0.1.0

Description Functions to get and set default values for the formal arguments of user defined functions.

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URL <https://github.com/kwb-r/kwb.default>

BugReports <https://github.com/kwb-r/kwb.default/issues>

Suggests knitr, rmarkdown, testthat

VignetteBuilder knitr

Encoding UTF-8

LazyData TRUE

RoxygenNote 7.2.0

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

RemoteUrl <https://github.com/KWB-R/kwb.default>

RemoteRef HEAD

RemoteSha 0b681291fffe378f2aa76c1c9720df532e7dc9d5

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`getDefault`*Get the default value that is defined for a function's argument*

Description

Get the default value that is defined for a function's argument

Usage

```
getDefault(funName, argName, default = NULL, warn = TRUE)
```

Arguments

<code>funName</code>	Name of the function
<code>argName</code>	Name of the formal argument
<code>default</code>	Default value to use if no default value is stored for argument <code>argName</code> of function <code>funName</code>
<code>warn</code>	if TRUE (default) a message is given if no defaults are defined for the given function or argument and if <code>default</code> is returned instead.

Value

default value that is defined for the formal argument `argName` of the user-defined function `funName`

See Also

[setDefault](#)

Examples

```
# Once you have defined a function...
hello <- function(firstName = getDefault("hello", "firstName")) {
  cat("Hello", firstName, "\n")
}

# ... you can define the default value for its arguments...
setDefault("hello", firstName = "Peter")

# ... and read it back with getDefault()...
getDefault("hello", "firstName")
```

setDefault	<i>Define the default value for a function's argument</i>
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Description

Define the default value for a function's argument

Usage

```
setDefault(funName, ...)
```

Arguments

funName	Name of the function
...	default value assignments in the form of key = value pairs

See Also

[getDefault](#)

Examples

```
## Not run:

# This will lead to an error if function "hello" is not defined
setDefault("hello", firstName = "Peter")

# Define the function and use getDefault instead of a constant default value
hello <- function(
  firstName = getDefault("hello", "firstName"),
  lastName = getDefault("hello", "lastName")
)
{
  cat(paste0("Hello ", firstName, " ", lastName, "!\n") )
}

# Now you can define the argument defaults
setDefault("hello", firstName = "Don", lastName = "Quichote")

# If you call the function without arguments, the defaults are used
hello()

# You can now change the defaults without changing the function definition
setDefault("hello", firstName = "Mona", lastName = "Lisa")

hello()

## End(Not run)
```

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