Package ‘ehelp’

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Title Enhanced Help to Enable \``Docstring\''-Comments in Users Functions
Version 1.2.1
Author Marcelo Ponce [aut, cre]
Maintainer Marcelo Ponce <m.ponce@utoronto.ca>
Description By overloading the R help() function, this package allows users to use `\``doc-string\'' style comments within their own defined functions. The package also provides additional functions to mimic the R basic example() function and the prototyping of packages.

URL https://github.com/mponce0/eHelp

BugReports https://github.com/mponce0/eHelp/issues

License GPL (>= 2)

Encoding UTF-8

RoxygenNote 7.1.0

Suggests testthat (>= 2.1.0), knitr, rmarkdown, crayon

VignetteBuilder knitr

NeedsCompilation no

Repository CRAN

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R topics documented:

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### eexample

*function that allows to execute the examples from user defined functions*

#### Description

function that allows to execute the examples from user defined functions

#### Usage

```r
eexample(..., skip.donts = FALSE)
```

#### Arguments

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>...</td>
<td>function name of a user defined fn</td>
</tr>
<tr>
<td>skip.donts</td>
<td>boolean argument to specify whether dontest or dontrun examples should be skipped or not</td>
</tr>
</tbody>
</table>

### help

*Wrapper Help Function*

#### Description

This function is a wrapper around the R’s system help() function. It allows the user to include docstring styles documentation and displayed it as help or information to the users using the help() command.

#### Usage

```r
help(
  topic,
  package = NULL,
  lib.loc = NULL,
  verbose = getOption("verbose"),
  try.all.packages = getOption("help.try.all.packages"),
  help_type = getOption("help_type")
)
```

#### Arguments

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>topic</td>
<td>topic/or/function name to search for</td>
</tr>
<tr>
<td>package</td>
<td>package where to search</td>
</tr>
<tr>
<td>lib.loc</td>
<td>location of R libraries</td>
</tr>
<tr>
<td>verbose</td>
<td>for diplaying the filename</td>
</tr>
<tr>
<td>try.all.packages</td>
<td>attempt to go trough all installed packages</td>
</tr>
<tr>
<td>help_type</td>
<td>format of the displayed help (text,html, or pdf)</td>
</tr>
</tbody>
</table>
Details

Parameters are the same as in utils::help, see help(help.package='utils') for further details.

Examples

```r
compute3Dveloc <- function(x,y,z,t){
    # this function computes the velocity of an object in a 3D space
    # @param x vector of positions in the x-axis
    # @param y vector of positions in the y-axis
    # @param z vector of positions in the z-axis
    # @param t time vector corresponding to the position vector

    # number of elements in vectors
    n <- length(t)
    # compute delta_t
    delta_t <- t[2:n]-t[1:n-1]
    # compute delta_x
    delta_x <- x[2:n]-x[1:n-1]
    # compute delta_y
    delta_y <- y[2:n]-y[1:n-1]
    # compute delta_z
    delta_z <- z[2:n]-z[1:n-1]
    # do actual computation of velocity...
    veloc3D <- list(delta_x/delta_t, delta_y/delta_t, delta_z/delta_t)
    # return value
    return(veloc3D)
}

help(compute3Dveloc)
```

simulatePackage

function that allows to load the functions from a package in preparation for CRAN, as if it is being loaded by loading all the fns defined in the R sub-directory of the package, ie. "myPckg/R"

Description

function that allows to load the functions from a package in preparation for CRAN, as if it is being loaded by loading all the fns defined in the R sub-directory of the package, ie. "myPckg/R"

Usage

```r
simulatePackage(pkgLocation = NULL)
```

Arguments

pkgLocation path to the base location of the package, under which is expected to found the R sub-directory
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