Package ‘ehelp’

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Title  Enhanced Help to Enable "Docstring"-Comments in Users Functions
Version 1.2
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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 addi-
tional 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
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R topics documented:

eexample ................................................................. 2
help ................................................................. 2
simulatePackage .................................................. 3

Index 4
eexample  

function that allows to execute the examples from user defined functions

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**Description**

function that allows to execute the examples from user defined functions

**Usage**

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

**Arguments**

- `...`: function name of a user defined fn
- `skip.donts`: boolean argument to specify whether dontest or dontrun examples should be skipped or not

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help  

Wrapper Help Function

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**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**

help(

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

**Arguments**

- `topic`: topic/or/function name to search for
- `package`: package where to search
- `lib.loc`: location of R libraries
- `verbose`: for displaying the filename
- `try.all.packages`: attempt to go trough all installed packages
- `help_type`: format of the displayed help (text, html, or pdf)
**simulatePackage**

**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
Index

eexample, 2
help, 2
simulatePackage, 3