Package ‘DYM’

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Type   Package
Title   Did You Mean?
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Description Add a "Did You Mean" feature to the R interactive. With this package, error messages for misspelled input of variable names or package names suggest what you really want to do in addition to notification of the mistake.
License BSD_3_clause + file LICENSE
BugReports https://github.com/kos59125/DYM/issues
Imports stats, utils
Suggests testthat
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findSimilarName

**Description**

You might mistype an object name. The package suggests the correct spell of the object you meant. If the function is called after an error of 'object not found', the function tries to tell you the name of the correct name that you meant.

**Usage**

```r
DYM(threshold = 2, max_n = 10, ignoreCase = FALSE)
```

**Arguments**

- `threshold`: The maximum distance between the misspell (`x`) and the correct answer (in `name`).
- `max_n`: An integer limiting the number of results. Passed to `head`.
- `ignoreCase`: A logical value indicating whether differences in case should be ignored when matching. Passed to `adist`.

**Examples**

```r
## Not run:
options(error = DYM::DYM())
logg(10)

# For fewer or more suggestions, change threshold, max_n and ignoreCase
options(error = DYM::DYM(threshold = 3, max_n = 25, ignoreCase = TRUE))
logg(10)

## End(Not run)
```

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**findSimilarName**

Looks for approximate matches to `x` (the first argument) within `name` (the second argument).

**Description**

Looks for approximate matches to `x` (the first argument) within `name` (the second argument).

**Usage**

```r
findSimilarName(x, names, threshold = 2, max_n = 10, ignoreCase = FALSE)
```
getMissingVariable

Arguments

x A string giving the (misspelt) name to search for.

names A character vector of correct names to match against.

threshold The maximum distance between the misspell (x) and the correct answer (in name).

max_n An integer limiting the number of results. Passed to head.

ignoreCase A logical value indicating whether differences in case should be ignored when matching. Passed to adist.

See Also

adist calculates the distance between strings. agrep and stringdist-package provide alternate metrics for these distances.

Examples

x <- "logg"
names <- dym:::getNames(x)
# Increasing threshold increases the number of hits, upto max_n = 10
lapply(
  stats::setNames(0:4, 0:4),
  function(i) dym:::findSimilarName(x, names, threshold = i)
)
# Use max_n = Inf to return all hits
DYM:::findSimilarName(x, names, threshold = 3, max_n = Inf)
# Negative max_n returns all hits except the last max_n
DYM:::findSimilarName(x, names, threshold = 3, max_n = -40)
# Set ignoreCase = TRUE to get more matches that differ by letter case
DYM:::findSimilarName(x, names, ignoreCase = TRUE)

getMissingVariable Finds the misspelled object.

Description

When this function is called after an error, it looks for the error message of missing value and returns the name of the mistype if it is found.

Usage

getMissingVariable()
getNames

Retrieves available symbols in the specified environment.

Description

Retrieves available symbols in the specified environment.

Usage

getNames(mode, envir = .GlobalEnv)

Arguments

mode The mode of misspelled name.

envir The base environment to search variables.

isVariableName

Checks if the given name is valid as a variable name for R.

Description

Checks if the given name is valid as a variable name for R.

Usage

isVariableName(name)

Arguments

name A character vector to check.
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