Package 'TinnRcom'

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Type Package

Title Resources of Tinn-R GUI/Editor for R Environment

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Author José Cláudio Faria <joseclaudio.faria@gmail.com>, based on the sources of Philippe Grosjean <phgrosjean@sciviews.org> and vimcom of Jakson A. de Aquino <jalvesaq@gmail.com>

Maintainer José Cláudio Faria <joseclaudio.faria@gmail.com>

Depends R (>= 2.6.0), svSocket, formatR

Description Implements a set of customized functions, inspired from svFamily packages of Philippe Grosjean and co-authors, as soon as vimcom of Jakson A. de Aquino, necessary to Tinn-R GUI/Editor for R environment

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OS_type windows

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R topics documented:

TinnRcom-package   *Resources of Tinn-R GUI/Editor for R Environment*

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Author(s)

José Cláudio Faria <joseclaudio.faria@gmail.com>

References

URL:http://www.sciviews.org/SciViews-R
http://www.lepem.ufc.br/aquino.php

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trArgs   *Show function arguments in a human-readable way*

Description

`trArgs()` displays function arguments in a better way than `args()` does. It is primarily intended for code completion and call tip for Tinn-R project.

Usage

```
trArgs(fname,
       txt=,
       pkg=,
       classfor,
       sep=|)
```

Arguments

fname	A string with the name of a function.
txt	A string with a R valid object.
pkg	A string with a package name.
classfor	A string with a R valid object.
sep	The field separator character. The function arguments are separated by this character. '|' is the default.

Value

A string with the calling syntax of the function.

Note

`Args()` is supposed to display S3 and S4 methods, and primitives adequately,... but this is not full implemented yet in the current version!

Author(s)

José Cláudio Faria <joseclaudio.faria@gmail.com>

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trComplete	*Get a completion list for a R code fragment*

Description

A list with matching items is returned in a string.

Usage

```
trComplete(code,
           pattern=,
           sep=\t)
```

Arguments

code   A piece of R code (in a character string) to analyze.

pattern   A string.

sep   Separator to use between items in the file (if file is not NULL).

Details

The completion list is context-dependent, and it is calculated as if the code was entered at the command line.

If the code ends with $, then the function look for items in a list or data.frame whose name is the last identifier.

If the code ends with @, then the function look for slots of the corresponding S4 object.

If the code ends with ::, then it looks for objects in a namespace.

If the code ends with a partial identifier name, the function returns all visible matching keywords.

There are other situations where the completion can be calculated, see the help of rc.settings().

Value

A string with the completion list (items separated by 'sep'), or an unique string completing unambiguously the current code, starting with 'sep'.

Author(s)

José Cláudio Faria <joseclaudio.faria@gmail.com>

| trExport | *Export the content of an object in a foreign format* |

Description

`trExport` is a generic function (S3 based) to convert objects into foreign formats and write it to a file or a connection.

Usage

```
trExport(x,
         type="raw",
         file="clipboard")
```

Arguments

x   The object to trExport.

type   `type` gives the format in which the object should be converted. The list of rec-
                 ognized formats for this object is obtained with `type="typelist"`.

file   The path to the file where the converted object should be extracted.

Value

Return the result from specif trExportation methods (invisibly if the file is written).

Author(s)

José Cláudio Faria `<joseclaudio.faria@gmail.com>`

| trObjBrowse | *Functions to implement the an object browser (R explorer) in Tinn-R* |

Description

These functions provide features required to implement a complete object browser in Tinn-R as GUI client.

Usage

```
trObjSearch(sep="\t",
            path=NULL)

trObjList(id="default",
          envir=.GlobalEnv,
          all.names=TRUE,
          pattern="",
          group="",
          all.info=FALSE,
          sep="\t",
          path=NULL)
```

Arguments

sep	Separator to use between items in the file (if path is not NULL).
path	The path where to write a temporary file with the requested information. Use path=NULL (default) if you don't want to pass this data by mean of a file.
id	The id of the object browser (you can run several ones concurrently, providing you give them different ids).
envir	An environment, or the name of the environment, or the position in the search() path.
all.names	Does it display all names (including hidden variables starting with '.')?
pattern	A pattern to match for selecting variables.
group	A group to filter.
all.info	Do we return all the information (envir as first column or not (by default).

Details

trObjSearch() lists the search path. trObjList() lists objects in a given environment.

Value

Depending on the function, a list, a string, a reference to an external, temporary file or TRUE in case of success or FALSE otherwise is returned invisibly.

Author(s)

José Cláudio Faria <joseclaudio.faria@gmail.com>

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trPaths	*Short paths to Tinn-R Editor*

Description

The ocult object .trPaths stores a vector of characters related to the use of Tinn-R Editor.

Value

A vector of characters.

Author(s)

José Cláudio Faria <joseclaudio.faria@gmail.com>

Index