Package ‘idbg’

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Description

An interactive debugger for R

Details
use idbg.bp to set a breakpoint in the debugged function.
Run your code and the debugger will stop at the debugged function

The following debugger options are available:
  h - help. print this message
  n - next. Empty line is the same as ’n’
  s - step into
  o - step out
  c - continue
  q - quit
  b - print breakpoints
  b FALSE - clear all breakpoints
  b <func_name> [FALSE] - set/unset a breakpoint in first line of function
  b <line_number> [FALSE] - set/unset a breakpoint in current function
  b <func_name> <line_number> [FALSE] - set/unset a breakpoint in function at at line_number
  w - print the stack
  u - go up the stack
  d - go down the stack
  l [nlines] - print nlines of source before and after current position
  l [nlines_back] [nlines_forward] - print source around current position
  x expr - execute expression. Any expression that doesn’t match the above options will also be executed

Author(s)
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See Also
  idbg.bp
idbg.bp

Description

Prepare a function for debugging and set a breakpoint

Usage

idbg.bp(func_name, line_number = NA, condition = TRUE)

Arguments

func_name       name for function. Must be of type character
line_number     line number where to set the breakpoint
condition       a condition to evaluate for conditional breakpoint

Value

Logical. TRUE if the breakpoint was set, FALSE if it wasn’t

Author(s)

Ronen Kimchi

See Also

debug undebug

Examples

bar <- function(a)
{
  if (a < 0)
    cat("a < 0\n")
  else
    cat("a >= 0\n")
  return(a)
}
foo <- function(x,y)
{
  tmp <- bar(x - y)
  return(tmp)
}

## Not run: idbg.bp("foo")
# call foo to enter the debugger
# in the debugger type h to see the help
# use n or enter to step over
# use s to step into bar
## Not run: foo(2,3)

### not run: idbg.source("my_debugged_R_file.R")

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**Description**

Source R files and restore breakpoints

**Usage**

```r
idbg.source(fname)
```

**Arguments**

- `fname`  
  R file name to source

**Value**

None (invisible NULL).

**Author(s)**

Ronen Kimchi

**See Also**

`source`

**Examples**

```r
## Not run: idbg.source("my_debugged_R_file.R")
```
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