Package: codeUtils (via r-universe)

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Type Package

Title Helper functions for parsing and classifying R code. Useful for domain specific languages.

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Description Very preliminary. May completely change

License GPL >= 2.0

Depends restorepoint

RoxygenNote 5.0.0

Repository https://skranz.r-universe.dev

RemoteUrl https://github.com/skranz/codeUtils

RemoteRef master

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Contents

`call.size` *Find the number of functions and variables (counting multiplies) in a call*

Description

Find the number of functions and variables (counting multiplies) in a call

Usage

```
call.size(call)
```

Arguments

`call`	the call whose size shall be determined

Value

an integer of this size

`count.variables` *Count all variables appeareances of each variable in a call or expression object*

Description

Count all variables appeareances of each variable in a call or expression object

Usage

```
count.variables(call)
```

Arguments

`a`	call object

Value

table that counts variable names

`extract.var.with.index` *extracts from a call expression its variable and its index*

Description

extracts from a call expression its variable and its index

Usage

```
extract.var.with.index(call, as.character = FALSE)
```

`find.funs` *Find all function calls from a call or expression object*

Description

Find all function calls from a call or expression object

Usage

```
find.funs(call, max.level = Inf, level = 1)
```

Value

unique names of called functions as character vector

`find.global.vars` *Find all globale variables in a function*

Description

just a wrapper to codetools::findGlobals

Usage

```
find.global.vars(fun)
```

`find.multiple.variables` *Find all variables from a call or expression object. If a variable appears n times, it is returned n times*

Description

Find all variables from a call or expression object. If a variable appears n times, it is returned n times

Usage

```
find.multiple.variables(call)
```

Arguments

`a`	call object

Value

variables names (possibly duplicated) as character vector

`find.variables` *Find all variables from a call or expression object*

Description

Find all variables from a call or expression object

Usage

```
find.variables(call)
```

Value

unique variables names as character vector

`get.lhs` *get lhs of an assignment*

Description

get lhs of an assignment

Usage

```
get.lhs(call)
```

`get.rhs` *get rhs of an assignment*

Description

get rhs of an assignment

Usage

```
get.rhs(call)
```

`is.assignment` *check if a call is an assignment*

Description

check if a call is an assignment

Usage

```
is.assignment(call)
```

`make.call` *Creates a call with name name and arguments in arg.list*

Description

Creates a call with name name and arguments in arg.list

Usage

```
make.call(name, arg.list, use.names = !is.null(names(arg.list)))
```

`recursively.replace` *Recursively replace elements of a call or list*

Description

Recursively replace elements of a call or list

Usage

```
recursively.replace(call, replace.fun)
```

`strip.parentheses` *strip a call object from outer parentheses*

Description

strip a call object from outer parentheses

Usage

```
strip.parentheses(call, parentheses = "(")
```

`subst.var` *Substitute a variable or a symbol in the expression by subs*

Description

Substitute a variable or a symbol in the expression by subs

Usage

```
subst.var(call, var, subs, subset = TRUE)
```

Arguments

`call`	a call object or string
`var`	a symbol or string
`subs`	a call or string

`substitute.call` *substitutes in a call object x (works like substitute2 in pryr)*

Description

substitutes in a call object x (works like substitute2 in pryr)

Usage

```
substitute.call(x, env)
```

Index