

Package: sourcetools (via r-universe)

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Type Package

Title Tools for Reading, Tokenizing and Parsing R Code

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Description Tools for Reading, Tokenizing and Parsing R Code.

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LazyData TRUE

Depends R (>= 3.0.2)

Suggests testthat

LinkingTo testthat (>= 1.0.2)

RoxygenNote 7.1.1

BugReports <https://github.com/kevinushey/sourcetools/issues>

Encoding UTF-8

Repository <https://kevinushey.r-universe.dev>

RemoteUrl <https://github.com/kevinushey/sourcetools>

RemoteRef HEAD

RemoteSha f0a9d4e6e7ee9ec92a06a9b25caa17116cfdeb9a

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read	<i>Read the Contents of a File</i>
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Description

Read the contents of a file into a string (or, in the case of `read_lines`, a vector of strings).

Usage

```
read(path)
```

```
read_lines(path)
```

```
read_bytes(path)
```

```
read_lines_bytes(path)
```

Arguments

path	A file path.
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register_routines	<i>Register Native Routines</i>
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Description

Discover and register native routines in a package. Functions to be registered should be prefixed with the `'// [[export(<methods>)]]'` attribute.

Usage

```
register_routines(package = ".", prefix = "C_", dynamic.symbols = FALSE)
```

Arguments

package	The path to an R package.
prefix	The prefix to assign to the R objects generated that map to each routine.
dynamic.symbols	Boolean; should dynamic symbol lookup be enabled?

tokenize_file	<i>Tokenize R Code</i>
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Description

Tools for tokenizing R code.

Usage

```
tokenize_file(path)
```

```
tokenize_string(string)
```

```
tokenize(file = "", text = NULL)
```

Arguments

file, path A file path.

text, string R code as a character vector of length one.

Value

A data.frame with the following columns:

value	The token's contents, as a string.
row	The row where the token is located.
column	The column where the token is located.
type	The token type, as a string.

Note

Line numbers are determined by existence of the `\n` line feed character, under the assumption that code being tokenized will use either `\n` to indicate newlines (as on modern Unix systems), or `\r\n` as on Windows.

Examples

```
tokenize_string("x <- 1 + 2")
```

validate_syntax	<i>Find Syntax Errors</i>
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Description

Find syntax errors in a string of R code.

Usage

```
validate_syntax(string)
```

Arguments

string A character vector (of length one).

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