

Package ‘sourcetools’

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Type Package

Title Tools for Reading, Tokenizing and Parsing R Code

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Author Kevin Ushey

Maintainer Kevin Ushey <kevinushey@gmail.com>

Description Tools for the reading and tokenization of R code. The 'sourcetools' package provides both an R and C++ interface for the tokenization of R code, and helpers for interacting with the tokenized representation of R code.

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LazyData TRUE

Depends R (>= 3.0.2)

Suggests testthat

RoxygenNote 5.0.1

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

Encoding UTF-8

NeedsCompilation yes

Repository CRAN

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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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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:

<code>value</code>	The token's contents, as a string.
<code>row</code>	The row where the token is located.
<code>column</code>	The column where the token is located.
<code>type</code>	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")
```

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