

# Package ‘sourcetools’

February 1, 2023

**Type** Package

**Title** Tools for Reading, Tokenizing and Parsing R Code

**Version** 0.1.7-1

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**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.

**License** MIT + file LICENSE

**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

**Date/Publication** 2023-02-01 10:10:02 UTC

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