Package 'piton'

May 9, 2026

Type Package

Title Parsing Expression Grammars in Rcpp

Version 1.0.1

URL https://github.com/Ironholds/piton

BugReports https://github.com/Ironholds/piton/issues

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Description A wrapper around the 'Parsing Expression Grammar Template Library', a C++11 library for generating
Parsing Expression Grammars, that makes it accessible within Rcpp. With this, developers can implement
their own grammars and easily expose them in R packages.

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Encoding UTF-8

LinkingTo Rcpp

Imports Rcpp

RoxygenNote 7.3.3

Suggests testthat

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NeedsCompilation yes

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Repository CRAN

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Contents

`peg_sum` *Example PEG*

Description

an example of a Parsing Expression Grammar (PEG) that takes a comma-separated string of digits and sums them together

Usage

```
peg_sum(x)
```

Arguments

`x`	a vector of strings, each containing a comma-separated set of digits

Value

a vector of numbers, containing either the sum of the equivalent element of `x` or (if the element could not be parsed) `NA`.

Examples

```
# Simple example
peg_sum("1,2, 5, 91, 34")
```

`piton` *Parsing Expression Grammars in Rcpp*

Description

This package wraps the PEGTL library to make Parsing Expression Grammars available to R/C++ developers. As an exported, header-only package, it can be included in other Rcpp codebases using `depends` functionality, and is platform-independent.

Author(s)

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See Also

the README, or `peg_sum` for an example.

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