Package 'prqlr'

September 20, 2024

Title R Bindings for the 'prqlc' Rust Library

Description Provides a function to convert 'PRQL' strings to 'SQL' strings.
Combined with other R functions that take 'SQL' as an argument,
'PRQL' can be used on R.

Version 0.9.0

URL <https://prql.github.io/prqlc-r/>, <https://github.com/PRQL/prqlc-r>

BugReports <https://github.com/PRQL/prqlc-r/issues>

Depends R (>= 4.2)

Suggests knitr (>= 1.44), rmarkdown, DBI, glue, RSQLite, tidyquery,
sqldf, nycflights13, dplyr, testthat (>= 3.2.0), patrick, withr

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Language en-US

Encoding UTF-8

RoxygenNote 7.3.2

SystemRequirements Cargo (Rust's package manager), rustc

VignetteBuilder knitr

Config/testthat/edition 3

Config/Needs/dev brio, devtools, xfun (>= 0.44), lintr, styler, purrr,
RcppTOML, readr, tidyr, rhub

Config/Needs/website pkgdown

Config/prqlr/LibVersion 0.13.0

NeedsCompilation yes

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Repository CRAN

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prql_compile   *Compile a PRQL query into a SQL query*

Description

Compile a PRQL query into a SQL query

Usage

```
prql_compile(
  prql_query,
  target = getOption("prqlr.target", default = NULL),
  format = getOption("prqlr.format", default = TRUE),
  signature_comment = getOption("prqlr.signature_comment", default = TRUE)
)
```

Arguments

prql_query	a PRQL query string.
target	a compile target name to use. If not specified (NULL), the target contained in the query will be used. All available target names can be listed with the prql_get_targets function.
format	a logical flag (default: TRUE). Whether to format the SQL query.
signature_comment	
	a logical flag. (default: TRUE). Whether to add a signature comment to the output SQL query.

Value

a SQL query string

See Also

prql_get_targets

Examples

```
"from mtcars | filter cyl > 6 | select {cyl, mpg}" |>
  prql_compile()

"from mtcars | filter cyl > 6 | select {cyl, mpg}" |>
  prql_compile(format = FALSE, signature_comment = FALSE)

"
from mtcars
filter cyl > 6
select !{cyl}
" |>
  prql_compile("sql.duckdb") |>
  cat()

# If the `target` argument is `NULL` (default) or `"sql.any"`,
# the target specified in the header of the query will be used.
"
prql target:sql.duckdb

from mtcars
filter cyl > 6
select !{cyl}
" |>
  prql_compile() |>
  cat()
```

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prql_get_targets   *Get available target names*

Description

Get available target names for the target option of the [prql_compile()](#) function.

Usage

```
prql_get_targets()
```

Value

a character vector of target names.

Examples

```
prql_get_targets()
```

---

prql_version   *prqlc's version*

Description

prqlc's version

Usage

```
prql_version()
```

Value

a [numeric_version](#) with the version of the built-in prqlc.

Examples

```
prql_version()
```

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