

Package ‘dabr’

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Title Database Management with R

Version 0.0.1

Description Provides functions to manage databases: select, update, insert, and delete records, list tables, backup tables as CSV files, and import CSV files as tables.

License GPL-3

Encoding UTF-8

LazyData true

RoxygenNote 7.1.1

Language en-GB

Imports dplyr, RMariaDB

Suggests hexSticker, knitr

NeedsCompilation no

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close_conn	<i>Close connection to database</i>
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Description

Close connection to database

Usage

```
close_conn(conn, ...)

## S3 method for class 'MariaDBConnection'
close_conn(conn, ...)

## Default S3 method:
close_conn(conn, ...)
```

Arguments

conn	Connection object.
...	Optional parameters.

See Also

Other DB functions: [insert\(\)](#), [list_tables\(\)](#), [open_conn_mysql\(\)](#), [select_all\(\)](#), [select\(\)](#), [update\(\)](#)

Examples

```
## Not run:
conn <- open_conn_mysql("sys", "root")
close_conn(conn)

## End(Not run)
```

insert	<i>Execute INSERT query</i>
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Description

Execute INSERT query

Usage

```
insert(conn, ...)

## S3 method for class 'MariaDBConnection'
insert(conn, query, quiet = FALSE, ...)
```

Arguments

conn	DB connection object.
...	Optional parameters.
query	INSERT query.
quiet	Boolean flag to hide status messages.

See Also

Other DB functions: [close_conn\(\)](#), [list_tables\(\)](#), [open_conn_mysql\(\)](#), [select_all\(\)](#), [select\(\)](#), [update\(\)](#)

Examples

```
## Not run:
conn <- open_conn_mysql("sys", "root")
query <- paste0(
  "INSERT INTO sys_config (variable, value, set_time, set_by) VALUES ",
  "('test_var', 999, '', Sys.time(), '', NULL)"
)
out <- insert(conn, query)
close_conn(conn)

## End(Not run)
```

list_tables	<i>List tables</i>
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Description

List tables

Usage

```
list_tables(conn, ...)

## S3 method for class 'MariaDBConnection'
list_tables(conn, quiet = FALSE, ...)
```

Arguments

conn	DB connection object.
...	Optional parameters.
quiet	Boolean flag to hide status messages.

See Also

Other DB functions: [close_conn\(\)](#), [insert\(\)](#), [open_conn_mysql\(\)](#), [select_all\(\)](#), [select\(\)](#), [update\(\)](#)

open_conn_mysql *Connect to database*

Description

Uses RMariaDB to open a connection to a MySQL database.

Usage

```
open_conn_mysql(  
  dbname,  
  user = "root",  
  password = NULL,  
  host = "localhost",  
  port = 3306  
)
```

Arguments

dbname	Database/Schema name.
user	Username of database owner.
password	Password (default: NULL).
host	Database host, it can be local (default) or remote.
port	Database port.

Value

MariaDBConnection connection object.

See Also

Other DB functions: [close_conn\(\)](#), [insert\(\)](#), [list_tables\(\)](#), [select_all\(\)](#), [select\(\)](#), [update\(\)](#)

Examples

```
## Not run:  
conn <- open_conn_mysql("sys")  
  
## End(Not run)
```

select	<i>Execute SELECT query</i>
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Description

Execute SELECT query

Usage

```
select(conn, ...)  
  
## S3 method for class 'MariaDBConnection'  
select(conn, query, quiet = FALSE, ...)
```

Arguments

conn	MariaDBConnection connection object.
...	Optional parameters.
query	SELECT query.
quiet	Boolean flag to hide status messages.

Value

Data frame containing the selected records.

See Also

Other DB functions: [close_conn\(\)](#), [insert\(\)](#), [list_tables\(\)](#), [open_conn_mysql\(\)](#), [select_all\(\)](#), [update\(\)](#)

Examples

```
## Not run:  
conn <- open_conn_mysql("sys", "root")  
out <- select(conn, "SELECT variable, value FROM sys_config")  
close_conn(conn)  
  
## End(Not run)
```

select_all	<i>Select all the records</i>
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Description

Select all the records inside a particular table, use the table parameter.

Usage

```
select_all(conn, ...)  
  
## S3 method for class 'MariaDBConnection'  
select_all(conn, table, quiet = FALSE, ...)
```

Arguments

conn	MariaDBConnection connection object.
...	Optional parameters.
table	Name of the table.
quiet	Boolean flag to hide status messages.

Value

Data frame with records.

See Also

Other DB functions: [close_conn\(\)](#), [insert\(\)](#), [list_tables\(\)](#), [open_conn_mysql\(\)](#), [select\(\)](#), [update\(\)](#)

Examples

```
## Not run:  
conn <- open_conn_mysql("sys", "root")  
out <- select_all(conn, "sys_config")  
close_conn(conn)  
  
## End(Not run)
```

update	<i>Execute UPDATE query</i>
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Description

Execute UPDATE query

Usage

```
update(conn, ...)
```

```
## S3 method for class 'MariaDBConnection'  
update(conn, query, quiet = FALSE, ...)
```

Arguments

conn	MariaDBConnection connection object.
...	Optional parameters.
query	UPDATE query.
quiet	Boolean flag to hide status messages.

See Also

Other DB functions: [close_conn\(\)](#), [insert\(\)](#), [list_tables\(\)](#), [open_conn_mysql\(\)](#), [select_all\(\)](#), [select\(\)](#)

Examples

```
## Not run:  
conn <- open_conn_mysql("sys", "root")  
out <- update(conn, "UPDATE sys_config SET value = 1")  
close_conn(conn)  
  
## End(Not run)
```

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