Package 'dabr'

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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.
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R topics documented:
attributes close_conn delete get_attr insert is.connected

close_conn

```
      list_tables
      6

      open_conn_mysql
      6

      quote
      7

      select
      8

      select_all
      9

      update
      10
```

Index 11

attributes

Combine attributes

Description

Combine attributes from a vector of strings.

Usage

```
attributes(...)
```

Arguments

... Strings.

Value

Combined string with all the attributes.

Examples

```
dabr::attributes("A", "B", "C")
dabr::attributes(c("A", "B", "C"))
dabr::attributes(c("A", "B", "C"), "D", "E", "F")
```

close_conn

Close connection to database

Description

Close connection to database

Usage

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

delete 3

Arguments

```
conn DB connection object.
... Optional parameters.
```

See Also

```
Other DB functions: delete(), 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)</pre>
```

delete

Execute DELETE query

Description

Execute DELETE query

Usage

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

Arguments

```
conn DB connection object.
... DELETE query and optional parameters.
quiet Boolean flag to hide status messages.
```

See Also

```
Other DB functions: close_conn(), insert(), list_tables(), open_conn_mysql(), select_all(), select(), update()
```

4 insert

Examples

```
## Not run:
conn <- open_conn_mysql("sys", "root")
out <- delete(conn, "DELETE sys_config SET value = 1")
close_conn(conn)
## End(Not run)</pre>
```

get_attr

Get attributes of a table

Description

Get attributes of a table

Usage

```
get_attr(conn, ...)
## S3 method for class 'MariaDBConnection'
get_attr(conn, name, ...)
```

Arguments

conn DB connection object.
... Optional parameters.
name Table name.

Value

List of attributes for table name.

insert

Execute INSERT query

Description

Execute INSERT query

Usage

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

is.connected 5

Arguments

```
connDB connection object.... INSERT query and optional parameters.quiet Boolean flag to hide status messages.
```

See Also

```
Other DB functions: close_conn(), delete(), 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)</pre>
```

is.connected

Verify connection

Description

Verify if connection object is still valid, is connected to the database server.

Usage

```
is.connected(conn, ...)
## S3 method for class 'MariaDBConnection'
is.connected(conn, ...)
```

Arguments

```
conn DB connection object.
... Optional parameters.
```

Value

Connection status.

6 open_conn_mysql

list_tables

List tables

Description

List tables

Usage

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

Arguments

conn DB connection object.
... Optional parameters.

quiet Boolean flag to hide status messages.

attr Boolean flag to list the attributes of each table.

Value

If quiet = TRUE returns a list with the tables' names. If attr = TRUE includes each attribute of the tables

See Also

```
Other DB functions: close_conn(), delete(), 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 = "127.0.0.1",
  port = 3306
)
```

quote 7

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

 ${\tt MariaDBConnection}\ connection\ object.$

See Also

```
Other DB functions: close_conn(), delete(), insert(), list_tables(), select_all(), select(), update()
```

Examples

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

quote

Add single quotes

Description

Add single quotes to string.

Usage

```
quote(str)
```

Arguments

str

String.

Value

String surrounded by single quotes

```
dabr::quote("A")
dabr::quote("1'A")
```

8 select

select

Execute SELECT query

Description

```
Execute SELECT query
```

Usage

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

Arguments

connDB connection object....SELECT query and optional parameters.quietBoolean flag to hide status messages.

Value

Data frame containing the selected records.

See Also

```
Other DB functions: close_conn(), delete(), insert(), list_tables(), open_conn_mysql(), select_all(), update()
```

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

select_all 9

select_all Select all the	e records
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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(), delete(), insert(), list_tables(), open_conn_mysql(), select(), update()
```

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

10 update

update

 $\textit{Execute} \; \mathsf{UPDATE} \; \textit{query}$

Description

```
Execute UPDATE query
```

Usage

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

Arguments

conn DB connection object.

... UPDATE query and optional parameters. quiet Boolean flag to hide status messages.

See Also

```
Other DB functions: close_conn(), delete(), insert(), list_tables(), open_conn_mysql(), select_all(), select()
```

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

Index

```
* DB functions
    close_conn, 2
    delete, 3
    insert, 4
    list_tables, 6
    open\_conn\_mysql, 6
    select, 8
    select_all, 9
    update, 10
{\it attributes}, {\it 2}
close_conn, 2, 3, 5-10
delete, 3, 3, 5-10
get_attr, 4
insert, 3, 4, 6-10
is.connected, 5
list_tables, 3, 5, 6, 7–10
open_conn_mysql, 3, 5, 6, 6, 8-10
quote, 7
select, 3, 5-7, 8, 9, 10
select_all, 3, 5-8, 9, 10
update, 3, 5–9, 10
```