# Package 'RKinetica'

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```
Type Package
Title Kinetica DBI datasource
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Description DBI implementation for Kinetica DB (http://kinetica.com).
License MIT + file LICENSE
Encoding UTF-8
LazyData true
Imports httr,
     RJSONIO,
     purrr,
     dplyr,
     stats,
     DBI (>= 0.3.0),
     bit64,
     hms (>= 0.5.0),
     methods
Suggests DBItest, testthat
RoxygenNote 6.1.1
Collate 'RKinetica-package.R'
      'kineticaObject.R'
      'kineticaId.R'
      'kineticaDriver.R'
      'kineticaConnection.R'
      'kineticaResult.R'
      'kineticaSQL.R'
      'connect.R'
      'zzz.R'
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# Description

Appends rows to an existing table

# Usage

```
dbAppendTable(conn, name, value, ..., row.names = NULL)
```

# **Arguments**

conn	an object of [KineticaConnection-class]
name	character string for table name or [KineticaId-class] object
value	A data frame. Factors will be converted to character vectors.
	Other arguments omitted in generic signature
row.names	a flag with logical, character or NULL value

# See Also

Other KineticaConnection methods: dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method, transactions

```
db {\tt Bind}, {\tt KineticaResult-method} \\ db {\tt Bind}()
```

# **Description**

Binds the prepared statement to parameter values provided

### Usage

```
## S4 method for signature 'KineticaResult'
dbBind(res, params, ...)
```

# **Arguments**

res an object of [KineticaResult-class]
params A list of bindings, named or unnamed.
... Other parameters passed on to methods.

### See Also

Other KineticaResult methods: dbClearResult, KineticaResult-method, dbColumnInfo, dbFetch, dbGetInfo, dbGetRowCount, KineticaResult-method, dbGetRowsAffected, KineticaResult-method, dbGetStatement, KineticaResult-method, dbHasCompleted, KineticaResult-method, dbIsValid, show, KineticaDriver-method

```
\label{local-connect} db {\it CanConnect}() db {\it CanConnect}()
```

# Description

Method allows to check if provided Kinetica Connection configuration could be used to connect to Kinetica DB instance successfully. It takes all the arguments of dbConnect signature, creates a connection and destroys it upon exit.

# Usage

```
## S4 method for signature 'KineticaDriver'
dbCanConnect(drv, ...)
```

# Arguments

drv Kinetica driver object
... Other arguments omitted in generic signature

# See Also

 $Other \ Kinetica Driver methods: \ db Connect, Kinetica Driver - method, \ db Data Type, Kinetica Driver - method, \ db GetInfo, \ db Is Valid, \ db List Connections, Kinetica Driver - method, \ db Unload Driver, Kinetica Driver - method, \ show, Kinetica Driver - method$ 

# **Examples**

```
## Not run:
 # If you have a Kinetica DB instance running in local docker image,
 # the minimum set of parameters to connect is url
 dbCanConnect(Kinetica(), url = "http://localhost:9191")
 # TRUE
 # You can also use host and port combination
 dbCanConnect(Kinetica(), host = "127.0.0.1", port = 9191)
 # TRUE
 # Remote instances would also require username and password.
 dbCanConnect(Kinetica(), host = "127.0.0.1", port = 9191,
     username = "username", password = "Pa$$w0rd")
 # TRUE
 # You can obscure username and password values by calling RStudio secure dialogue box:
 dbCanConnect(Kinetica(), host = "127.0.0.1", port = 9191,
              username = rstudioapi::askForPassword("Kinetica DB user"),
              password = rstudioapi::askForPassword("Kinetica DB password"))
 # TRUE
 ## End(Not run)
dbClearResult,KineticaResult-method
                         dbClearResult()
```

# **Description**

Clears result, if exists, releasing memory in Connection results environment

### Usage

```
## S4 method for signature 'KineticaResult'
dbClearResult(res, ...)
```

### **Arguments**

```
res [KineticaResult-class]
... Other parameters passed on to methods.
```

#### See Also

Other KineticaResult methods: dbBind, KineticaResult-method, dbColumnInfo, dbFetch, dbGetInfo, dbGetRowCount, KineticaResult-method, dbGetRowSAffected, KineticaResult-method, dbGetStatement, Kinetica dbHasCompleted, KineticaResult-method, dbIsValid, show, KineticaDriver-method

dbColumnInfo

dbColumnInfo()

# **Description**

Provides data.frame as a collection of column names and data types from the result set Provides data.frame as a collection of column names and data types from the result set

# Usage

```
dbColumnInfo(res, ...)
## S4 method for signature 'KineticaResult'
dbColumnInfo(res, ...)
```

# **Arguments**

res	An object inheriting from [KineticaResult-class]
	Other parameters passed on to methods.
res	An object inheriting from [KineticaResult-class]
	Other parameters passed on to methods.

#### See Also

Other KineticaResult methods: dbBind, KineticaResult-method, dbClearResult, KineticaResult-method, dbFetch, dbGetInfo, dbGetRowCount, KineticaResult-method, dbGetRowsAffected, KineticaResult-method, dbGetStatement, KineticaResult-method, dbHasCompleted, KineticaResult-method, dbIsValid, show, KineticaDriver-method

Other KineticaResult methods: dbBind, KineticaResult-method, dbClearResult, KineticaResult-method, dbFetch, dbGetInfo, dbGetRowCount, KineticaResult-method, dbGetRowsAffected, KineticaResult-method, dbGetStatement, KineticaResult-method, dbHasCompleted, KineticaResult-method, dbIsValid, show, KineticaDriver-method

```
db {\tt Connect}, {\tt KineticaDriver-method} \\ db {\tt Connect}()
```

# **Description**

Connect to a Kinetica DB going through the appropriate authentication procedure. You can have multiple connections open and connections can have multiple results attached. This function may be invoked repeatedly assigning its output to different objects. Authentication can be provided by using username/password variables. row\_limit param would limit the number of rows in query results, it's an integer value allowing up to 2,147,483,647 rows. Value literal must be followed by L, as in row\_limit = 1000000L, also see example below. Use [dbCanConnect()] to check if a connection can be established.

### Usage

```
## S4 method for signature 'KineticaDriver'
dbConnect(drv, host = NULL, port = NULL,
  url = NULL, username = NULL, password = NULL, timeout = NULL,
  row_limit = NULL, ha_ring = NULL, ...)
```

# **Arguments**

drv	Kinetica driver object
host	character string for Kinetica DB host address
port	integer value for Kinetica DB port
url	character string for Kinetica DB url (protocol + host + port)
username	character string for Kinetica DB username
password	character string for Kinetica DB password
timeout	integer value for Kinetica DB connection timeout
	Other arguments omitted in generic signature

#### See Also

 $Other \ Kinetica Driver methods: \ db Can Connect, Kinetica Driver - method, \ db Data Type, Kinetica Driver - method, \ db Get Info, \ db Is Valid, \ db List Connections, Kinetica Driver - method, \ db Unload Driver, Kinetica Driver - method, \ show, Kinetica Driver - method$ 

# **Examples**

8 dbCreateTable

|--|

# **Description**

Creates a new table

### Usage

```
dbCreateTable(conn, name, fields, ..., row.names = NULL,
  temporary = FALSE)
```

### **Arguments**

conn an object of [KineticaConnection-class] character string for table name or [KineticaId-class] object name fields either a named character vector or a data frame Other parameters passed on to methods. Must be 'NULL'. row.names

temporary logical flag value whether table should be temporary

### See Also

Other KineticaConnection methods: dbAppendTable, dbDataType, KineticaConnection-method, dbDisconnect,KineticaConnection-method,dbExecute,KineticaConnection,character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbList Tables, Kinetica Connection-method, dbRead Table, dbRemove Table, dbSend Query, Kinetica Connection, challed the content of the contdbSendStatement,KineticaConnection,character-method,dbWriteTable,show,KineticaDriver-method, sqlCreateTable,KineticaConnection-method, transactions

# Examples

```
## Not run:
con <- dbConnect(Kinetica(), url = "http://localhost:9191")</pre>
dbCreateTable(con, "tableA", data.frame(a = 1))
dbExistsTable(con, "tableA")
# TRUE
dbDisconnect(con)
## End(Not run)
```

```
\label{eq:dbDataType} \mbox{\tt dbDataType}, \mbox{\tt KineticaConnection-method} \\ \mbox{\tt dbDataType}()
```

# Description

Redirect to [KineticaDriver-class] dbDataType method for data type mapping of provided object

# Usage

```
## S4 method for signature 'KineticaConnection'
dbDataType(dbObj, obj, ...)
```

# **Arguments**

db0bj an object of [KineticaConnection-class]
obj generic object
... Other arguments omitted in generic signature

#### See Also

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method, transactions

```
dbDataType,KineticaDriver-method dbDataType() \\
```

# **Description**

Takes an R object or literal and returns a matching SQLtype used when creating Kinetica DB table value to store it

# Usage

```
## S4 method for signature 'KineticaDriver'
dbDataType(dbObj, obj, ...)
```

# **Arguments**

db0bj	KineticaDriver object
obj	any data object or literal
	Other arguments omitted in generic signature

#### See Also

 $Other \ Kinetica Driver methods: \ db Can Connect, Kinetica Driver-method, \ db Connect, Kinetica Driver-method, \ db Unload Driver, Kinetica Driver-method, \ db Unload Driver, Kinetica Driver-method, \ show, Kinetica Driver-method$ 

# **Examples**

# Description

Disconnects the current connection, releasing memory from all uncleared result objects

### Usage

```
## S4 method for signature 'KineticaConnection'
dbDisconnect(conn, ...)
```

### **Arguments**

```
conn an object of [KineticaConnection-class]
... Other parameters passed on to methods.
```

#### See Also

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-metlod, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method, transactions

### **Examples**

# Description

Executes the statement, returning the number of affected rows or objects

# Usage

```
## $4 method for signature 'KineticaConnection, character'
dbExecute(conn, statement, ...,
   params = NULL)
```

#### **Arguments**

```
conn an object of [KineticaConnection-class]
statement character
... Other parameters passed on to methods.
```

# params a set of values

#### See Also

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, charactedbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method, transactions

12 dbExistsTable

# **Examples**

```
## Not run:
con <- dbConnect(Kinetica(), url = "http://localhost:9191")
dbCreateTable(con, "tableA", data.frame(a = 1))
dbExistsTable(con, "tableA")
# TRUE
dbExecute(con, "DROP TABLE tableA")
# 1
dbDisconnect(con)
## End(Not run)</pre>
```

dbExistsTable

dbExistsTable()

### **Description**

Checks if the table exists. Provide either table name or collection name, not both Kinetica DB table names are unique, different collections don't allow tables with the same name.

### Usage

```
dbExistsTable(conn, name, ...)
```

# **Arguments**

conn an object of [KineticaConnection-class]
name character string for table or collection name or [KineticaId-class] object

... Other parameters passed on to methods.

#### Value

logical

#### See Also

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType,KineticaConnection-method, dbDisconnect,KineticaConnection-method, dbExecute,KineticaConnection,character-method, dbGetInfo, dbGetQuery,KineticaConnection,character-method, dbIsValid, dbListFields, dbListObjects,KineticaConnection-method, dbListResults,KineticaConnection-method, dbListTables,KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery,KineticaConnection,character-method, dbWriteTable, show,KineticaDriver-method, sqlCreateTable,KineticaConnection-method, transactions

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# **Examples**

```
## Not run:
con <- dbConnect(Kinetica(), url = "http://localhost:9191")
dbCreateTable(con, "tableA", data.frame(a = 1))
dbExistsTable(con, "tableA")
# TRUE
dbExecute(con, "DROP TABLE tableA")
# 1
dbExistsTable(con, "tableA")
# FALSE
dbDisconnect(con)
## End(Not run)</pre>
```

dbFetch

dbFetch()

# **Description**

Fetches the provided number of rows from Result. If n is not provided, returns all available records Fetches the provided number of rows from Result. If n is not provided, returns all available records

# Usage

```
dbFetch(res, n = -1, ...)
## S4 method for signature 'KineticaResult'
dbFetch(res, n = -1, ...)
```

# **Arguments**

res	An object inheriting from [KineticaResult-class]
n	maximum number of records to retrieve per fetch. Use ' $n=-1$ ' or ' $n=Inf$ ' to retrieve all pending records. Some implementations may recognize other special values.
	Other arguments passed on to methods.
res	An object inheriting from [KineticaResult-class]
n	maximum number of records to retrieve per fetch. Use ' $n=-1$ ' or ' $n=Inf$ ' to retrieve all pending records. Some implementations may recognize other special values.
	Other arguments passed on to methods.

14 dbGetInfo

### See Also

Other KineticaResult methods: dbBind, KineticaResult-method, dbClearResult, KineticaResult-method, dbColumnInfo, dbGetInfo, dbGetRowCount, KineticaResult-method, dbGetRowsAffected, KineticaResult-method, dbGetStatement, KineticaResult-method, dbHasCompleted, KineticaResult-method, dbIsValid, show, KineticaDriver-method

Other KineticaResult methods: dbBind, KineticaResult-method, dbClearResult, KineticaResult-method, dbColumnInfo, dbGetInfo, dbGetRowCount, KineticaResult-method, dbGetRowsAffected, KineticaResult-method, dbGetStatement, KineticaResult-method, dbHasCompleted, KineticaResult-method, dbIsValid, show, KineticaDriver-method

dbGetInfo

dbGetInfo()

### **Description**

Generic dbGetInfo() implementation.

Retrieves brief KineticaDriver description: dbname, driver version, client version, max number of connections (NA stands for unlimited)

Basic properties of KineticaConnection object provides DB version, primary url, host, port and username of the current connection, flag for HA availability, HA ring of secondary urls and maximum row count that can be returned in one query

Provides basic info on KineticaResult object

### Usage

```
dbGetInfo(dbObj, ...)
## S4 method for signature 'KineticaDriver'
dbGetInfo(dbObj, ...)
## S4 method for signature 'KineticaConnection'
dbGetInfo(dbObj, ...)
## S4 method for signature 'KineticaResult'
dbGetInfo(dbObj, ...)
```

# **Arguments**

db0bj	An object inheriting from [KineticaObject-class]
	Other arguments to methods.
db0bj	an object derived of [KineticaDriver-class] type
	Other arguments omitted in generic signature
db0bj	object [KineticaConnection-class]
	Other arguments omitted in generic signature
db0bj	[KineticaResult-class]
	Other parameters passed on to methods.

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#### Value

a named list

#### See Also

Other KineticaDriver methods: dbCanConnect, KineticaDriver-method, dbConnect, KineticaDriver-method, dbDataType, KineticaDriver-method, dbIsValid, dbListConnections, KineticaDriver-method, dbUnloadDriver, KineticaDriver-method, show, KineticaDriver-method

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method, transactions

 $Other \ Kinetica Result \ methods: \ dbBind, Kinetica Result-method, \ dbClear Result, Kinetica Result-method, \ dbColumnInfo, \ dbFetch, \ dbGetRowCount, Kinetica Result-method, \ dbGetRowsAffected, Kinetica Result-method, \ dbGetStatement, Kinetica Result-method, \ dbHasCompleted, Kinetica Result-method, \ dbIsValid, \ show, Kinetica Driver-method$ 

# **Examples**

```
drv <- Kinetica()</pre>
dbGetInfo(drv)
# name
# "KineticaDriver"
# dbname
# "Kinetica"
# driver.version
# "7.1.0.0"
# client.version
# "7.1.0.0"
# max.connections
# NA
## Not run:
con <- dbConnect(d, url = "http://localhost:9191")</pre>
# db.version
# "7.1.0.0"
# dbname
# "Kinetica"
# url
# "http://localhost:9191"
# host
# "localhost"
# port
# 9191
# username
```

```
## End(Not run)
```

```
dbGetQuery, KineticaConnection, character-method dbGetQuery()
```

# **Description**

Executes the Query and returns the resulting data.frame of n rows (or less) When n is not provided, returns all rows available

### Usage

```
## S4 method for signature 'KineticaConnection, character' dbGetQuery(conn, statement, n = -1, \ldots)
```

# **Arguments**

conn A [KineticaConnection-class] object
statement a character string containing SQL.

n Number of rows to fetch, default -1
... Other parameters passed on to methods.

#### See Also

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbSendStatement, KineticaConnection, chadWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method, transactions

# **Examples**

# Description

Returns the number of rows in the returned data set

# Usage

```
## S4 method for signature 'KineticaResult'
dbGetRowCount(res, ...)
```

# Arguments

res KineticaResult-class

... Other parameters passed on to methods.

#### See Also

Other KineticaResult methods: dbBind, KineticaResult-method, dbClearResult, KineticaResult-method, dbColumnInfo, dbFetch, dbGetInfo, dbGetRowsAffected, KineticaResult-method, dbGetStatement, KineticaResult-dbHasCompleted, KineticaResult-method, dbIsValid, show, KineticaDriver-method

```
db {\it GetRowsAffected}, {\it KineticaResult-method} \\ {\it dbGetRowsAffected}()
```

# **Description**

Returns the number of rows affected by the executed SQL statement

### Usage

```
## S4 method for signature 'KineticaResult'
dbGetRowsAffected(res, ...)
```

# Arguments

```
res an object of [KineticaResult-class]
... Other parameters passed on to methods.
```

### See Also

Other KineticaResult methods: dbBind, KineticaResult-method, dbClearResult, KineticaResult-method, dbColumnInfo, dbFetch, dbGetInfo, dbGetRowCount, KineticaResult-method, dbGetStatement, KineticaResult-method, dbIsValid, show, KineticaDriver-method

```
db {\tt GetStatement}, {\tt KineticaResult-method} \\ db {\tt GetStatement}()
```

# **Description**

Returns the SQL statement executed to get this result set

#### Usage

```
## S4 method for signature 'KineticaResult'
dbGetStatement(res, ...)
```

# **Arguments**

res an object of [KineticaResult-class]
... Other parameters passed on to methods.

#### See Also

Other KineticaResult methods: dbBind, KineticaResult-method, dbClearResult, KineticaResult-method, dbColumnInfo, dbFetch, dbGetInfo, dbGetRowCount, KineticaResult-method, dbGetRowsAffected, KineticaResult-dbHasCompleted, KineticaResult-method, dbIsValid, show, KineticaDriver-method

```
db Has Completed, {\tt KineticaResult-method} \\ db Has Completed()
```

### **Description**

Returns a logical value whether the result has completed

# Usage

```
## S4 method for signature 'KineticaResult'
dbHasCompleted(res, ...)
```

### **Arguments**

```
res an object of [KineticaResult-class]
... Other parameters passed on to methods.
```

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# See Also

Other KineticaResult methods: dbBind, KineticaResult-method, dbClearResult, KineticaResult-method, dbColumnInfo, dbFetch, dbGetInfo, dbGetRowCount, KineticaResult-method, dbGetRowsAffected, KineticaResult-dbGetStatement, KineticaResult-method, dbIsValid, show, KineticaDriver-method

# Description

Generic dbIsReadOnly() implementation.

# Usage

```
dbIsReadOnly(dbObj, ...)
## S4 method for signature 'KineticaObject'
dbIsReadOnly(dbObj, ...)
```

# **Arguments**

db0bj An object inheriting from [KineticaObject-class]
... Other arguments to methods.

# Value

logical

dbIsValid dbIsValid()

# **Description**

Generic dbIsValid() implementation.

Checks if the provided Driver object is valid

Checks if the connection is valid

Checks if the KineticaResult object has been cleared

20 dbIs Valid

#### Usage

```
dbIsValid(dbObj, ...)
## S4 method for signature 'KineticaDriver'
dbIsValid(dbObj, ...)
## S4 method for signature 'KineticaConnection'
dbIsValid(dbObj, ...)
## S4 method for signature 'KineticaResult'
dbIsValid(dbObj, ...)
```

# **Arguments**

db0bj	An object inheriting from [KineticaObject-class], i.e. [KineticaDriver-class], [KineticaConnection-class], [KineticaId-class] or a [KineticaResult-class]
	Other arguments to methods.
db0bj	an object of [KineticaDriver-class] type
	Other arguments omitted in generic signature
db0bj	A [KineticaConnection-class] object
	Other arguments omitted in generic signature
db0bj	[KineticaResult-class]
	Other parameters passed on to methods.

#### **Details**

RKinetica Connection is a configuration of url, username and password to establish connection to Kinetica DB, configuration does not go stale when memory objects get swapped to file. Thus RKinetica accepts stale connections as valid, and allows multiple results per connection.

# Value

logical

#### See Also

Other KineticaDriver methods: dbCanConnect, KineticaDriver-method, dbConnect, KineticaDriver-method, dbDataType, KineticaDriver-method, dbGetInfo, dbListConnections, KineticaDriver-method, dbUnloadDriver, KineticaDriver-method, show, KineticaDriver-method

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method, transactions

Other KineticaResult methods: dbBind, KineticaResult-method, dbClearResult, KineticaResult-method, dbColumnInfo, dbFetch, dbGetInfo, dbGetRowCount, KineticaResult-method, dbGetRowsAffected, KineticaResult-dbGetStatement, KineticaResult-method, dbHasCompleted, KineticaResult-method, show, KineticaDriver-method

# **Examples**

# Description

Lists all active connections in KineticaDriver's connection pool invoking show() on KineticaConnection objects

# Usage

```
## S4 method for signature 'KineticaDriver'
dbListConnections(drv, ...)
```

# Arguments

```
drv an object of [KineticaDriver-class] type
... Other arguments omitted in generic signature
```

### See Also

 $Other\ Kinetica Driver\ methods: \ db Can Connect, Kinetica Driver-method, \ db Connect, Kinetica Driver-method, \ db Data Type, Kinetica Driver-method, \ db Get Info, \ db Is Valid, \ db Unload Driver, Kinetica Driver-method, \ show, Kinetica Driver-method$ 

22 dbListFields

### **Description**

Lists field names of a given table

# Usage

```
dbListFields(conn, name, ...)
```

# **Arguments**

conn A [KineticaConnection-class] object

name a character string for table name or [KineticaId-class] object

... Other parameters passed on to methods.

#### See Also

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method, transactions

# **Examples**

```
## Not run:
con <- dbConnect(Kinetica(), url = "http://localhost:9191")
dbWriteTable(con, "tableA", data.frame(a = 1:40))
dbExistsTable(con, "tableA")
# TRUE
fields <- dbListFields(con, "tableA")
fields
# "a"
dbRemoveTable(con, "tableA")
dbDisconnect(con)
## End(Not run)</pre>
```

```
db List Objects, {\tt KineticaConnection-method} \\ db List Objects()
```

#### **Description**

Lists database Objects available to the user, including tables, views and collections

# Usage

```
## S4 method for signature 'KineticaConnection'
dbListObjects(conn, prefix = NULL, ...)
```

#### Arguments

conn A [KineticaConnection-class] object

prefix character

Other parameters passed on to methods.

#### Value

data.frame

#### See Also

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbSendStatement, KineticaConnection-method, dbWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method, transactions

```
db List Results, Kinetica Connection-method \\ db List Results()
```

#### **Description**

Lists all active results of the current connection

#### Usage

```
## S4 method for signature 'KineticaConnection'
dbListResults(conn, ...)
```

# **Arguments**

conn an object of [KineticaConnection-class]... Other parameters passed on to methods.

# See Also

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbSendStatement, KineticaConnections, character-method, dbSendStatement, KineticaConnections, character-method, dbSendStatement, KineticaConnections

 $db List Tables, Kinetica Connection-method \\ db List Tables()$ 

# **Description**

Lists all database tables available to the user

# Usage

```
## S4 method for signature 'KineticaConnection'
dbListTables(conn, name, ...)
```

### **Arguments**

conn an object of [KineticaConnection-class]

name character

... Other arguments omitted in generic signature

# See Also

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbSendStatement, KineticaCodbWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method, transactions

dbQuoteIdentifier 25

# Description

Escapes the provided character vector as SQL indetifier.

Escapes the provided character vector as SQL indetifier.

# Usage

```
dbQuoteIdentifier(conn, x, ...)
## S4 method for signature 'KineticaConnection,ANY'
dbQuoteIdentifier(conn, x, ...)
```

# **Arguments**

conn object [KineticaConnection-class]
x a character vector or SQL object

... Other arguments passed on to methods.

 $\begin{tabular}{ll} db Quote Literal, Kinetica Connection-method \\ \it db Quote Literal() \end{tabular}$ 

# **Description**

Escapes a literal if nesessary.

### Usage

```
## S4 method for signature 'KineticaConnection' dbQuoteLiteral(conn, x, ...)
```

# **Arguments**

conn A subclass of [KineticaConnection-class]

x A vector to quote as string.

... Other arguments passed on to methods.

26 dbReadTable

dbQuoteString

dbQuoteString()

# Description

```
Excapes a character (string) value.
```

Excapes a character (string) value.

Excapes a character (string) value.

Excapes a character (string) value.

# Usage

```
dbQuoteString(conn, x, ...)
## S4 method for signature 'KineticaConnection, ANY'
dbQuoteString(conn, x, ...)
## S4 method for signature 'KineticaConnection, character'
dbQuoteString(conn, x, ...)
## S4 method for signature 'KineticaConnection, SQL'
dbQuoteString(conn, x, ...)
```

# **Arguments**

conn	A subclass of [KineticaConnection-class], representing an active connection to an DBMS.
X	A character vector to quote as string.
	Other arguments passed on to methods.

dbReadTable

dbReadTable()

# Description

Reads the data of a given table into data.frame object, clearing the KineticaResult object upon exit

# Usage

```
dbReadTable(conn, name, ...)
```

dbRemoveTable 27

### **Arguments**

conn an object of [KineticaConnection-class]

name a character string table name or [KineticaId-class] object

... Other arguments omitted in generic signature row.names a logical flag to create extra row\_names column

check.names a logical flag to check names

#### See Also

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbSendStatement, KineticaConnection, character-method, dbWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method, transactions

 $dbRemoveTable \qquad \qquad dbRemoveTable()$ 

# **Description**

Drops the table with the given name if one exists

# Usage

```
dbRemoveTable(conn, name, ...)
```

# Arguments

conn an object of [KineticaConnection-class]

name character string for table name or [KineticaId-class] object

... Other arguments omitted in generic signature

# See Also

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbSendQuery, KineticaConnection, character-method, dbSendStatement, KineticaConnection, character-method, dbWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method, transactions

```
\label{local_decomposition} db Send Query, {\tt KineticaConnection, character-method} \\ db Send Query()
```

### **Description**

Executes SQL query and returns a result set. The returned result object should be read with dbFetch(result) and then cleared with dbClearResult(result)

#### Usage

```
## S4 method for signature 'KineticaConnection, character'
dbSendQuery(conn, statement,
   params = NULL, offset = NULL, limit = NULL, ...)
```

#### **Arguments**

conn object [KineticaConnection-class]

statement character

params a list of query named parameters

... Other arguments omitted in generic signature

# See Also

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendStatement, KineticaConnection dbWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method, transactions

```
db Send Statement, Kinetica Connection, character-method \\ db Send Statement()
```

# Description

Executes SQL statement that does not return a result set

### Usage

```
## S4 method for signature 'KineticaConnection, character'
dbSendStatement(conn, statement,
   params = NULL, offset = NULL, limit = NULL, ...)
```

#### **Arguments**

conn object [KineticaConnection-class]

statement character

params a list of query named parameters

... Other arguments omitted in generic signature

#### See Also

```
[dbSendQuery()] [dbGetQuery()] [dbExecute()]
```

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, sqlCreateTable, KineticaConnection-method, transactions

# Description

Unload RKinetica Driver, releasing memory from Driver connections and embedded results

# Usage

```
## S4 method for signature 'KineticaDriver'
dbUnloadDriver(drv, ...)
```

# **Arguments**

drv Kinetica driver object

... Other arguments omitted in generic signature

#### See Also

Other KineticaDriver methods: dbCanConnect,KineticaDriver-method, dbConnect,KineticaDriver-method, dbDataType,KineticaDriver-method, dbGetInfo, dbIsValid, dbListConnections,KineticaDriver-method, show,KineticaDriver-method

30 dbWriteTable

# Description

Unescapes the DB identifier.

Unescapes the DB identifier.

Unescapes the DB identifier.

# Usage

```
dbUnquoteIdentifier(conn, x, ...)
## S4 method for signature 'KineticaConnection,SQL'
dbUnquoteIdentifier(conn, x, ...)
## S4 method for signature 'KineticaConnection,ANY'
dbUnquoteIdentifier(conn, x, ...)
```

# Arguments

conn	object [KineticaConnection-class]
Х	a character vector or SQL object
	Other arguments passed on to methods.
conn	A subclass of [KineticaConnection-class], representing an active connection to an DBMS.
conn	A subclass of [KineticaConnection-class], representing an active connection to an DBMS.

# Description

Writes a dataset into Kinetica DB, appending, creating or overwriting a table as indicated by flags.

# Usage

```
dbWriteTable(conn, name, value, ...)
```

Kineticald-class 31

### **Arguments**

conn	an object of [KineticaConnection-class]
name	character string for table name or [KineticaId-class] object
value	a [data.frame] (or object coercible to data.frame)
	Other arguments omitted in generic signature
row.names	a logical flag, NULL or chaacter value to create extra row_names column
overwrite	a logical flag to overwrite existing table with new columns and values
append	a logical flag to preserve existing data and append new records

a named character vector of value field names and types

# temporary a logical flag to create table as temporary storage

#### See Also

field.types

```
[dbCreateTable()] [dbAppendTable()] [dbRemoveTable()]
```

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, show, KineticaDriver-method, sqlCreateTable, Kinet transactions

# **Examples**

```
## Not run:
con <- dbConnect(Kinetica(), url = "http://localhost:9191")
dbWriteTable(con, "test", data.frame(a = 1L:3L, b = 2.1:4.2), row.names = FALSE)
dbDisconnect(con)
## End(Not run)</pre>
```

KineticaId-class

Refer to a table nested in a hierarchy (e.g. within a schema)

# **Description**

Objects of class 'KineticaId' have a single slot 'name', which is a named character vector. The [dbQuoteIdentifier()] method converts 'KineticaId' objects to strings. Support for 'KineticaId' objects depends on the database backend. They can be used in the following methods as 'name' argument: - [dbCreateTable()] - [dbAppendTable()] - [dbReadTable()] - [dbWriteTable()] - [dbExistsTable()] - [dbRemoveTable()] Objects of this class are also returned from [dbListObjects()].

# Usage

```
KineticaId(...)
```

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# **Arguments**

... Components of the hierarchy, e.g. 'schema', 'table', or 'cluster', 'catalog', 'schema', 'table'. For more on these concepts, see http://stackoverflow.com/questions/7022755/

### **Examples**

```
KineticaId(schema = "dbo", table = "Customer")
dbQuoteIdentifier(Kinetica(), KineticaId(schema = "ki_home", table = "nyctaxi"))
KineticaId(schema = "myschema", table = "mytable")
```

KineticaObject-class Class KineticaObject

# Description

Base DB object extending [DBI::DBIObject].

RKinetica

**RKinetica** 

# **Description**

RKinetica is an R package providing access to Kinetica DB through REST interface. Kinetica DB is a distributed, in-memory, GPU-accelerated database that utilizes a powerful combination of CPUs and GPUs to analyze massive, complex datasets with millisecond response times.

# **Details**

At the core of Kinetica is a vectorized, columnar, memory-first database designed for analytical (OLAP) workloads. Kinetica automatically distributes any workload across CPUs and GPUs for optimal results.

For more information on Kinetica DB please visit our web site http://www.kinetica.com

```
show, \verb|KineticaDriver-method| \\ show()
```

### **Description**

RKinetica Driver short printout string

Minimal KineticaConnection string representation Provides url of the Kinetica DB instance

Brief string printout of [KineticaResult-class] object properties

#### Usage

```
## S4 method for signature 'KineticaDriver'
show(object)
## S4 method for signature 'KineticaConnection'
show(object)
## S4 method for signature 'KineticaResult'
show(object)
```

### **Arguments**

object [KineticaConnection-class]
object [KineticaResult-class]

#### See Also

Other KineticaDriver methods: dbCanConnect,KineticaDriver-method, dbConnect,KineticaDriver-method, dbDataType,KineticaDriver-method, dbGetInfo, dbIsValid, dbListConnections,KineticaDriver-method, dbUnloadDriver,KineticaDriver-method

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbWriteTable, sqlCreateTable, KineticaConnection-transactions

Other KineticaResult methods: dbBind, KineticaResult-method, dbClearResult, KineticaResult-method, dbColumnInfo, dbFetch, dbGetInfo, dbGetRowCount, KineticaResult-method, dbGetRowsAffected, KineticaResult-dbGetStatement, KineticaResult-method, dbHasCompleted, KineticaResult-method, dbIsValid

34 SQL

### **Examples**

```
## Not run:
drv <- Kinetica()
show(drv)
# KineticaDriver 7.1.0.0

## End(Not run)
## Not run:
con <- dbConnect(d, url = "http://localhost:9191")
show(con)
<KineticaConnection>
    url: http://localhost:9191

## End(Not run)
```

show, SQL-method

show()

# Description

prints escaped SQL values.

# Usage

```
## S4 method for signature 'SQL'
show(object)
```

# **Arguments**

object

SQL object

SQL

SQL()

# **Description**

Creates an escaped SQL representation of provided named character vector.

# Usage

```
SQL(x, ..., names = NULL)
```

### **Arguments**

x A character vector to label as being escaped SQL.

... Other arguments passed on to methods. Not otherwise used.

names Names for the returned object, must have the same length as 'x'.

sqlAppendTable 35

# Value

An object of class 'SQL'.

sqlAppendTable	sqlAppendTable
- 4 1 - 1 - 1 - 1 - 1 - 1	~ q <sub>I</sub> <sub>I</sub> <sub>I</sub> · · · · · · · · · · · · ·

# Description

Compose query to insert rows into a table

# Usage

```
sqlAppendTable(con, table, values, row.names = NA, ...)
```

# **Arguments**

con A database connection.

table Name of the table. Escaped with [dbQuoteIdentifier()].

values A data frame. Factors will be converted to character vectors.

row.names a flag with logical, character or NULL value

... Other parameters passed on to methods. Character vectors will be escaped with

[dbQuoteString()].

### **Details**

'sqlAppendTable()' generates a single SQL string that inserts a data frame into an existing table. 'sqlAppendTableTemplate()' generates a template suitable for use with [dbBind()]. The default methods are ANSI SQL 99 compliant. These methods are mostly useful for backend implementers.

The 'row.names' argument must be passed explicitly in order to avoid a compatibility warning. The default will be changed in a later release.

### See Also

Other SQL generation: sqlAppendTableTemplate

```
sqlAppendTableTemplate
```

sqlAppendTableTemplate()

# Description

Creates a placeholder-based template

# Usage

```
sqlAppendTableTemplate(con, table, values, row.names = NA,
    prefix = "?", ..., pattern = "1")
```

# **Arguments**

con	A database connection.
-----	------------------------

 $\label{table} \mbox{Name of the table. Escaped with [dbQuoteIdentifier()].}$ 

values A data frame. Factors will be converted to character vectors.

row.names a flag with logical, character or NULL value prefix Parameter prefix to use for placeholders.

... Other parameters passed on to methods. Character vectors will be escaped with

[dbQuoteString()].

pattern Parameter pattern to use for placeholders: - """: no pattern - "1": position -

anything else: field name

### See Also

Other SQL generation: sqlAppendTable

```
sqlCreateTable, KineticaConnection-method \\ sqlCreateTable()
```

# Description

Customised version of the generic sqlCreateTable method (Kinetica DB uses TEMP keyword instead of TEMPORARY)

### Usage

```
## S4 method for signature 'KineticaConnection'
sqlCreateTable(con, table, fields,
  row.names = NA, temporary = FALSE, ...)
```

sqlData 37

#### **Arguments**

con A database connection.

table Name of the table. Escaped with [dbQuoteIdentifier()].

fields Either a character vector or a data frame.

A named character vector: Names are column names, values are types. Names

are escaped with [dbQuoteIdentifier()]. Field types are unescaped. A data frame: field types are generated using [dbDataType()].

row.names a flag with logical, character or NULL value

temporary logical TRUE/FALSE for temporary/permanent table created

... Other parameters passed on to methods.

#### See Also

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbWriteTable, show, KineticaDriver-method, transactions

sqlData sqlData()

# **Description**

Escapes and encodes SQL data. Escapes and encodes SQL data.

### Usage

```
sqlData(con, value, row.names = NA, ...)
## S4 method for signature 'KineticaConnection'
sqlData(con, value, row.names = NA, ...)
```

# **Arguments**

con A database connection, object of [KineticaConnection-class]

value A data frame

row.names a flag with logical, character or NULL value ... Other parameters passed on to methods.

con A database connection, object of [KineticaConnection-class]

row.names a flag with logical, character or NULL value ... Other parameters passed on to methods.

value A data frame

# **Examples**

```
## Not run:
con <- dbConnect(RSQLite::SQLite(), ":memory:")
sqlData(con, head(iris))
sqlData(con, head(mtcars))
dbDisconnect(con)
## End(Not run)</pre>
```

summary

summary()

# **Description**

Generic summary() implementation.

# Usage

```
summary(object, ...)
```

# Description

Implementation of summary() for KineticaObject signature.

# Usage

```
## S4 method for signature 'KineticaObject'
summary(object, ...)
```

# Arguments

object An object inheriting from [KineticaObject-class]

. . . Other arguments to methods.

transactions 39

### **Description**

Executes the statement, returning the number of affected rows or objects Executes the statement, returning the number of affected rows or objects Executes the statement, returning the number of affected rows or objects

### Usage

```
## S4 method for signature 'KineticaConnection'
dbBegin(conn, ...)

## S4 method for signature 'KineticaConnection'
dbCommit(conn, ...)

## S4 method for signature 'KineticaConnection'
dbRollback(conn, ...)
```

# **Arguments**

conn	an object of [KineticaConnection-class]
	Other parameters passed on to methods.
conn	an object of [KineticaConnection-class]
	Other parameters passed on to methods.
conn	an object of [KineticaConnection-class]
	Other parameters passed on to methods.

#### See Also

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method

Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method

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Other KineticaConnection methods: dbAppendTable, dbCreateTable, dbDataType, KineticaConnection-method, dbDisconnect, KineticaConnection-method, dbExecute, KineticaConnection, character-method, dbExistsTable, dbGetInfo, dbGetQuery, KineticaConnection, character-method, dbIsValid, dbListFields, dbListObjects, KineticaConnection-method, dbListResults, KineticaConnection-method, dbListTables, KineticaConnection-method, dbReadTable, dbRemoveTable, dbSendQuery, KineticaConnection, character-method, dbWriteTable, show, KineticaDriver-method, sqlCreateTable, KineticaConnection-method

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