

Package ‘filehashSQLite’

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Depends R (>= 4.0.0), filehash

Imports RSQLite, methods, DBI

Title Simple Key-Value Database Using SQLite

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Description Simple key-value database using SQLite as the back end.

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URL <https://github.com/rdpeng/filehashsqlite>

Encoding UTF-8

RoxygenNote 7.1.2

Suggests testthat (>= 3.0.0)

Config/testthat/edition 3

NeedsCompilation no

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dbDelete,filehashSQLite,character-method
Delete Object

Description

Delete an object from the database

Usage

```
## S4 method for signature 'filehashSQLite,character'  
dbDelete(db, key, ...)
```

Arguments

db	object of class "filehashSQLite"
key	character vector of key names
...	other arguments (not used)

dbDisconnect,filehashSQLite-method
Disconnect from Database

Description

Disconnect from Database

Usage

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

Arguments

conn	database object
...	other arguments (not used)

dbExists,filehashSQLite,character-method
Check Existence of Key

Description

Check to see if a key is in the database

Usage

```
## S4 method for signature 'filehashSQLite,character'  
dbExists(db, key, ...)
```

Arguments

db	object of class "filehashSQLite"
key	character vector of key names
...	other arguments (not used)

dbFetch,filehashSQLite,character-method
Fetch Object

Description

Retrieve the value associated with a specific key

Usage

```
## S4 method for signature 'filehashSQLite,character'  
dbFetch(db, key, ...)
```

Arguments

db	object of class "filehashSQLite"
key	character, key name
...	other arguments (not used)

dbInsert,filehashSQLite,character-method

Insert Object

Description

Insert a key-value pair into a database

Usage

```
## S4 method for signature 'filehashSQLite,character'  
dbInsert(db, key, value, ...)
```

Arguments

db	object of class "filehashSQLite"
key	character, key name
value	R object
...	other arguments (not used)

dbList,filehashSQLite-method

List Keys

Description

Return a character vector of all keys in the database

Usage

```
## S4 method for signature 'filehashSQLite'  
dbList(db, ...)
```

Arguments

db	object of class "filehashSQLite"
...	other arguments (not used)

dbMultiFetch, filehashSQLite, character-method
Fetch Multiple Objects

Description

Return (as a named list) the values associated with a vector of keys

Usage

```
## S4 method for signature 'filehashSQLite, character'  
dbMultiFetch(db, key, ...)
```

Arguments

db	object of class "filehashSQLite"
key	character vector of key names
...	other arguments (not used)

dbUnlink, filehashSQLite-method
Unlink Database

Description

Remove a database

Usage

```
## S4 method for signature 'filehashSQLite'  
dbUnlink(db, ...)
```

Arguments

db	object of class "filehashSQLite"
...	other arguments (not used)

filehashSQLite	<i>Filehash SQLite Class</i>
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Description

Filehash SQLite Class

Slots

datafile character, full path to the file in which the database should be stored

dbcon Object of class “SQLiteConnection”, a SQLite connection

drv ‘SQLite’ driver

name character, the name of the database

Note

“filehashSQLite” databases have a “[” method that can be used to extract multiple elements in an efficient manner. The return value is a list with names equal to the keys passed to “[”. If there are keys passed to “[” that do not exist in the database, a warning is given.

The “SQLite” format for filehash uses an ASCII serialization of the data which could result in some rounding error for floating point numbers.

Note that if you use keys that are numbers coerced to character vectors, then you may have trouble with them being coerced to numeric. The SQLite database will see these key values and automatically convert them to numbers.

[,filehashSQLite,character,ANY,ANY-method	<i>Fetch Multiple Objects Operator</i>
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Description

Return (as a named list) the values associated with a vector of keys

Usage

```
## S4 method for signature 'filehashSQLite,character,ANY,ANY'
x[i, j, ..., drop = TRUE]
```

Arguments

x	object of class "filehashSQLite"
i	index
j	index
...	other arguments (not used)
drop	drop dimensions

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