Package 'filehashSQLite'

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Title Simple Key-Value Database using SQLite
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Description Simple key-value database using SQLite as the backend.
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Contents
filehashSQLite-class
Index 4
filehashSQLite-class Class "filehashSQLite"
Description
Create a 'filehash' database using SQLite as the backend

Details

The "filehashSQLite" class represents a "filehash" key-value database using the SQLite DBM as the backend. Objects are stored in a single SQLite database table along with their keys.

2 filehashSQLite-class

Objects from the Class

Objects can be created by calls of the form new("filehashSQLite", ...). More likely, one will use the functions dbCreate and dbInit from the filehash package.

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
```

Extends

```
Class "filehash", directly.
```

Methods

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.

Author(s)

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filehashSQLite-class 3

Examples

```
library(filehashSQLite)

dbCreate("myTestDB", type = "SQLite")

db <- dbInit("myTestDB", type = "SQLite")

set.seed(100)
 db$a <- rnorm(100)
 db$b <- "a character element"

with(db, mean(a))

cat(db$b, "\n")

dbUnlink(db)</pre>
```

Index

```
* classes
    filehash SQLite-class, 1
[,filehashSQLite,character,ANY,ANY-method
        (filehashSQLite-class), 1
dbDelete, filehashSQLite, character-method
        (filehashSQLite-class), 1
dbDisconnect, filehashSQLite-method
        (filehashSQLite-class), 1
{\tt dbExists,file} hash {\tt SQLite,character-method}
        (filehashSQLite-class), 1
dbFetch, filehashSQLite, character-method
        (filehashSQLite-class), 1
dbInsert,filehashSQLite,character-method
        (filehashSQLite-class), 1
dbList,filehashSQLite-method
        (filehashSQLite-class), 1
dbMultiFetch, filehashSQLite, character-method
        (filehashSQLite-class), 1
dbUnlink, filehashSQLite-method
        (filehashSQLite-class), 1
filehashSQLite-class, 1
```