Package 'rhli'

October 14, 2022

Title An R Implementation of the FIS MarketMap C-Toolkit

Version 0.0.2

Description Complete access from 'R' to the FIS 'MarketMap C-Toolkit' ('FAME C-HLI'). 'FAME' is a fully integrated software and database management system from FIS that provides the following capabilities:
Time series and cross-sectional data management;
Financial calculation, data analysis, econometrics, and forecasting;
Table generation and detailed multicolor, presentation-quality report writing;
Multicolor, presentation-quality graphics;
``What-if'' analysis;
Application development and structured programming;
Data transfer to and from other applications;
Tools for building customized graphical user interfaces.

Depends R (>= 3.5)

License AGPL

Encoding UTF-8

LazyData true

RoxygenNote 6.1.0

Imports methods

Suggests testthat

URL https://github.com/qomaio/rhli

BugReports https://github.com/qomaio/rhli/issues

SystemRequirements GNU make

NeedsCompilation yes

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`cfmabrt` `cfmabrt`

Description

Abort a unit of work on a connection.

Usage

```
cfmabrt(status, connkey)
```

Arguments

`status`	Integer
`connkey`	Integer

cfmalob cfmalob

Description

Add a new object and specify its allocation.

Usage

```
cfmalob(status, dbkey, objnam, class, freq, type, basis, observ, numobs,
  numchr, growth)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
class	Integer
freq	Integer
type	Integer
basis	Integer
observ	Integer
numobs	Integer
numchr	Integer
growth	Numeric

cfmasrt cfmasrt

Description

Check for database changes during a unit of work.

Usage

```
cfmasrt(status, connkey, assert_type, assertion, perspective, grouping,
  dblist)
```

Arguments

status	Integer
connkey	Integer
assert_type	Integer
assertion	Character
perspective	Integer
grouping	Integer
dblist	Integer

---

cfmbwdy cfmbwdy

Description

Get the biweekday of a date.

Usage

```
cfmbwdy(status, freq, date, biwkdy)
```

Arguments

status	Integer
freq	Integer
date	Integer
biwkdy	Integer

---

cfmchfr cfmchfr

Description

Change a date to a different frequency.

Usage

```
cfmchfr(status, sfreq, sdate, select, tfreq, tdate, relate)
```

Arguments

status	Integer
sfreq	Integer
sdate	Integer
select	Integer
tfreq	Integer
tdate	Integer
relate	Integer

`cfmclcn` `cfmclcn`

Description

Close a connection to a FAME Database Server.

Usage

```
cfmclcn(status, connkey)
```

Arguments

status	Integer
connkey	Integer

`cfmcldb` `cfmcldb`

Description

Close a database.

Usage

```
cfmcldb(status, dbkey)
```

Arguments

status	Integer
dbkey	Integer

cfmcmmt cfmcmmt

Description

Commit a unit of work on a connection.

Usage

```
cfmcmmt(status, connkey)
```

Arguments

status	Integer
connkey	Integer

cfmcpob cfmcpob

Description

Copy one object to another.

Usage

```
cfmcpob(status, srckey, tarkey, srcnam, tarnam)
```

Arguments

status	Integer
srckey	Integer
tarkey	Integer
srcnam	Character
tarnam	Character

cfmdatd cfmdatd

Description

Convert a date to a year, month, and day.

Usage

```
cfmdatd(status, freq, date, year, month, day)
```

Arguments

status	Integer
freq	Integer
date	Integer
year	Integer
month	Integer
day	Integer

cfmdatf cfmdatf

Description

Convert a date to a fiscal year and period.

Usage

```
cfmdatf(status, freq, date, year, period, fmonth, flabel)
```

Arguments

status	Integer
freq	Integer
date	Integer
year	Integer
period	Integer
fmonth	Integer
flabel	Integer

cfmdati cfmdati

Description

Convert a date to a string using an image.

Usage

```
cfmdati(status, freq, date, datstr, image, fmonth, flabel)
```

Arguments

status	Integer
freq	Integer
date	Integer
datstr	Character
image	Character
fmonth	Integer
flabel	Integer

cfmdatl cfmdatl

Description

Convert a date to a date literal string.

Usage

```
cfmdatl(status, freq, date, datstr, fmonth, flabel)
```

Arguments

status	Integer
freq	Integer
date	Integer
datstr	Character
fmonth	Integer
flabel	Integer

cfmdatp cfmdatp

Description

Convert a date to a year and period.

Usage

```
cfmdatp(status, freq, date, year, period)
```

Arguments

status	Integer
freq	Integer
date	Integer
year	Integer
period	Integer

cfmdatt cfmdatt

Description

Convert an intraday date to a daily date and time.

Usage

```
cfmdatt(status, freq, date, hour, minute, second, ddate)
```

Arguments

status	Integer
freq	Integer
date	Integer
hour	Integer
minute	Integer
second	Integer
ddate	Integer

cfmddat cfmddat

Description

Convert a year, month, and day to a date.

Usage

```
cfmddat(status, freq, date, year, month, day)
```

Arguments

status	Integer
freq	Integer
date	Integer
year	Integer
month	Integer
day	Integer

cfmddes cfmddes

Description

Set a database's DESCRIPTION attribute.

Usage

```
cfmddes(status, dbkey, des)
```

Arguments

status	Integer
dbkey	Integer
des	Character

cfmddoc cfmddoc

Description

Set a database's DOCUMENTATION attribute.

Usage

```
cfmddoc(status, dbkey, doc)
```

Arguments

status	Integer
dbkey	Integer
doc	Character

cfmdlen cfmdlen

Description

Get the length of an object's DESCRIPTION and DOCUMENTATION attributes.

Usage

```
cfmdlen(status, dbkey, objnam, deslen, doclen)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
deslen	Integer
doclen	Integer

cfmdlob cfmdlob

Description

Delete an object.

Usage

```
cfmdlob(status, dbkey, objnam)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character

cfmexpiration cfmexpiration

Description

Get the license expiration date.

Usage

```
cfmexpiration(status, date)
```

Arguments

status	Integer
date	Integer

cfmfame cfmfame

Description

Send the FAME process a command to be executed.

Usage

```
cfmfame(status, cmd)
```

Arguments

status	Integer
cmd	Character

cfmfdat cfmfdat

Description

Convert a fiscal year and period to a date.

Usage

```
cfmfdat(status, freq, date, year, period, fmonth, flabel)
```

Arguments

status	Integer
freq	Integer
date	Integer
year	Integer
period	Integer
fmonth	Integer
flabel	Integer

cfmfdiv cfmfdiv

Description

See if one frequency is evenly divisible by another.

Usage

```
cfmfdiv(status, freq1, freq2, flag)
```

Arguments

status	Integer
freq1	Integer
freq2	Integer
flag	Integer

cfmferr cfmferr

Description

Get the text of the FAME error.

Usage

```
cfmferr(status, errtxt)
```

Arguments

status	Integer
errtxt	Character

cfmfin cfmfin

Description

Finish the C HLI.

Usage

```
cfmfin(status)
```

Arguments

status	Integer

Examples

```
status <- Integer(-1L)
cfmfin(status)
```

cfmgcid cfmgcid

Description

Get the connection key for a database key.

Usage

```
cfmgcid(status, dbkey, connkey)
```

Arguments

status	Integer
dbkey	Integer
connkey	Integer

`cfmgdat` `cfmgdat`

Description

Get an object's creation and last modification dates.

Usage

```
cfmgdat(status, dbkey, objnam, freq, cdate, mdate)
```

Arguments

`status`	Integer
`dbkey`	Integer
`objnam`	Character
`freq`	Integer
`cdate`	Integer
`mdate`	Integer

`cfmgdba` `cfmgdba`

Description

Get database attributes.

Usage

```
cfmgdba(status, dbkey, cyear, cmonth, cday, myear, mmonth, mday, desc, doc)
```

Arguments

`status`	Integer
`dbkey`	Integer
`cyear`	Integer
`cmonth`	Integer
`cday`	Integer
`myear`	Integer
`mmonth`	Integer
`mday`	Integer
`desc`	Character
`doc`	Character

cfmgdbd cfmgdbd

Description

Get a database's creation and last modification dates.

Usage

```
cfmgdbd(status, dbkey, freq, cdate, mdate)
```

Arguments

status	Integer
dbkey	Integer
freq	Integer
cdate	Integer
mdate	Integer

cfmget_dimension cfmget_dimension

Description

Get the dimension attribute for a database.

Usage

```
cfmget_dimension(status, dbkey, dimen)
```

Arguments

status	Integer
dbkey	Integer
dimen	Integer

cfmget_extradots cfmget_extradots

Description

Get the extradots attribute for a database.

Usage

```
cfmget_extradots(status, dbkey, xdots)
```

Arguments

status	Integer
dbkey	Integer
xdots	Integer

cfmglen cfmglen

Description

Get the length of a database's DESCRIPTION and DOCUMENTATION attributes.

Usage

```
cfmglen(status, dbkey, deslen, doclen)
```

Arguments

status	Integer
dbkey	Integer
deslen	Integer
doclen	Integer

cfmgnam cfmgnam

Description

Get an object's real name.

Usage

```
cfmgnam(status, dbkey, objnam, basnam)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
basnam	Character

cfmgsln cfmgsln

Description

Get an object's STRINGLENGTH attribute.

Usage

```
cfmgsln(status, dbkey, objnam, length)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
length	Integer

cfmgtali cfmgtali

Description

Get an object's ALIAS attribute.

Usage

```
cfmgtali(status, dbkey, objnam, aliass, inlen, outlen)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
aliass	Character
inlen	Integer
outlen	Integer

cfmgtaso cfmgtaso

Description

Get an object's ASSOCIATE attribute.

Usage

```
cfmgtaso(status, dbkey, objnam, assoc, inlen, outlen)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
assoc	Character
inlen	Integer
outlen	Integer

`cfmgtatt_char` `cfmgtatt_char`

Description

Get the value of a user-defined `Character` attribute.

Usage

```
cfmgtatt_char(status, dbkey, objnam, atttyp, attnam, value, inlen, outlen)
```

Arguments

`status`	Integer
`dbkey`	Integer
`objnam`	Character
`atttyp`	Integer
`attnam`	Character
`value`	Character
`inlen`	Integer
`outlen`	Integer

`cfmgtatt_double` `cfmgtatt_double`

Description

Get the value of a user-defined `Numeric` attribute.

Usage

```
cfmgtatt_double(status, dbkey, objnam, atttyp, attnam, value, inlen,
  outlen)
```

Arguments

`status`	Integer
`dbkey`	Integer
`objnam`	Character
`atttyp`	Integer
`attnam`	Character
`value`	Numeric
`inlen`	Integer
`outlen`	Integer

`cfmgtatt_float` `cfmgtatt_float`

Description

Get the value of a user-defined `Numeric` attribute.

Usage

```
cfmgtatt_float(status, dbkey, objnam, atttyp, attnam, value, inlen, outlen)
```

Arguments

`status`	Integer
`dbkey`	Integer
`objnam`	Character
`atttyp`	Integer
`attnam`	Character
`value`	Numeric
`inlen`	Integer
`outlen`	Integer

`cfmgtatt_int` `cfmgtatt_int`

Description

Get the value of a user-defined `Integer` attribute.

Usage

```
cfmgtatt_int(status, dbkey, objnam, atttyp, attnam, value, inlen, outlen)
```

Arguments

`status`	Integer
`dbkey`	Integer
`objnam`	Character
`atttyp`	Integer
`attnam`	Character
`value`	Integer
`inlen`	Integer
`outlen`	Integer

`cfmgtnl` `cfmgtnl`

Description

Get an element of a namelist or the whole namelist.

Usage

```
cfmgtnl(status, dbkey, objnam, index, strval, inlen, outlen)
```

Arguments

`status`	Integer
`dbkey`	Integer
`objnam`	Character
`index`	Integer
`strval`	Character
`inlen`	Integer
`outlen`	Integer

`cfmgtstr` `cfmgtstr`

Description

Get a single string value.

Usage

```
cfmgtstr(status, dbkey, objnam, range, strval, ismiss, inlen, outlen)
```

Arguments

`status`	Integer
`dbkey`	Integer
`objnam`	Character
`range`	Integer vector
`strval`	Character
`ismiss`	Integer
`inlen`	Integer
`outlen`	Integer

cfmgtsts cfmgtsts

Description

Get a range of string values.

Usage

```
cfmgtsts(status, dbkey, objnam, range, strary, misary, inlenary, outlenary)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
range	Integer vector
strary	Character vector
misary	Integer vector
inlenary	Integer vector
outlenary	Integer vector

cfmidat cfmidat

Description

Convert a string to a date using an image.

Usage

```
cfmidat(status, freq, date, datstr, image, fmonth, flabel, centry)
```

Arguments

status	Integer
freq	Integer
date	Integer
datstr	Character
image	Character
fmonth	Integer
flabel	Integer
centry	Integer

cfmini cfmini

Description

Initialize the C HLI.

Usage

```
cfmini(status)
```

Arguments

status	Integer

Examples

```
status <- Integer(-1L)
cfmini(status)
```

cfminwc cfminwc

Description

Initialize a wildcard expansion.

Usage

```
cfminwc(status, dbkey, wilnam)
```

Arguments

status	Integer
dbkey	Integer
wilnam	Character

cfmisbm cfmisbm

Description

See if a Boolean value is a missing value.

Usage

```
cfmisbm(status, value, ismiss)
```

Arguments

status	Integer
value	Integer
ismiss	Integer

cfmisdm cfmisdm

Description

See if a date value is a missing value.

Usage

```
cfmisdm(status, value, ismiss)
```

Arguments

status	Integer
value	Integer
ismiss	Integer

cfmislp cfmislp

Description

See if a year is a leap year.

Usage

```
cfmislp(status, year, leap)
```

Arguments

status	Integer
year	Integer
leap	Integer

cfmisnm cfmisnm

Description

See if a numeric value is a missing value.

Usage

```
cfmisnm(status, value, ismiss)
```

Arguments

status	Integer
value	Numeric
ismiss	Integer

cfmispm cfmispm

Description

See if a precision value is a missing value.

Usage

```
cfmispm(status, value, ismiss)
```

Arguments

status	Integer
value	Numeric
ismiss	Integer

cfmissm cfmissm

Description

See if a string value is a missing value.

Usage

```
cfmissm(status, value, ismiss)
```

Arguments

status	Integer
value	Character
ismiss	Integer

cfmlali cfmlali

Description

Get the length of an object's ALIAS attribute.

Usage

```
cfmlali(status, dbkey, objnam, alilen)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
alilen	Integer

cfmlaso cfmlaso

Description

Get the length of an object's ASSOCIATE attribute.

Usage

```
cfmlaso(status, dbkey, objnam, asolen)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
asolen	Integer

cfmlatt cfmlatt

Description

Get the length of a user-defined string or namelist attribute.

Usage

```
cfmlatt(status, dbkey, objnam, atttyp, attnam, attlen)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
atttyp	Integer
attnam	Character
attlen	Integer

cfmldat cfmldat

Description

Convert a date literal string to a date.

Usage

```
cfmldat(status, freq, date, datstr, fmonth, flabel, centry)
```

Arguments

status	Integer
freq	Integer
date	Integer
datstr	Character
fmonth	Integer
flabel	Integer
centry	Integer

cfmlerr cfmlerr

Description

Get the length of the FAME error.

Usage

```
cfmlerr(status, len)
```

Arguments

status	Integer
len	Integer

cfmlsts cfmlsts

Description

Get the lengths of a range of string values.

Usage

```
cfmlsts(status, dbkey, objnam, range, lenary)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
range	Integer vector
lenary	Integer vector

cfmncnt cfmncnt

Description

Get the length of a namelist.

Usage

```
cfmncnt(status, dbkey, objnam, length)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
length	Integer

cfmnlen cfmnlen

Description

Get the length of the buffer for reading a namelist.

Usage

```
cfmnlen(status, dbkey, objnam, index, length)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
index	Integer
length	Integer

cfmnwob cfmnwob

Description

Add a new object to a database.

Usage

```
cfmnwob(status, dbkey, objnam, class, freq, type, basis, observ)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
class	Integer
freq	Integer
type	Integer
basis	Integer
observ	Integer

cfmnxwc cfmnxwc

Description

Get the next name matching a wildcard.

Usage

```
cfmnxwc(status, dbkey, objnam, class, type, freq)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
class	Integer
type	Integer
freq	Integer

cfmopcn cfmopcn

Description

Open a connection to a FAME Database Server.

Usage

```
cfmopcn(status, connkey, service, hostname, username, password)
```

Arguments

status	Integer
connkey	Integer
service	Character
hostname	Character
username	Character
password	Character

cfmopdb cfmopdb

Description

Open a database.

Usage

```
cfmopdb(status, dbkey, dbname, mode)
```

Arguments

status	Integer
dbkey	Integer
dbname	Character
mode	Integer

cfmopdc cfmopdc

Description

Open a database on a connection.

Usage

```
cfmopdc(status, dbkey, dbname, mode, connkey)
```

Arguments

status	Integer
dbkey	Integer
dbname	Character
mode	Integer
connkey	Integer

cfmoprc cfmoprc

Description

Open an analytical channel on a connection.

Usage

```
cfmoprc(status, dbkey, connkey)
```

Arguments

status	Integer
dbkey	Integer
connkey	Integer

cfmopre cfmopre

Description

Open an analytical channel to a server.

Usage

```
cfmopre(status, dbkey, svname)
```

Arguments

status	Integer
dbkey	Integer
svname	Character

cfmopwk cfmopwk

Description

Open the FAME session WORK database.

Usage

```
cfmopwk(status, dbkey)
```

Arguments

status	Integer
dbkey	Integer

cfmosiz cfmosiz

Description

Get the size of an object.

Usage

```
cfmosiz(status, dbkey, objnam, class, type, freq, fyear, fprd, lyear, lprd)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
class	Integer
type	Integer
freq	Integer
fyear	Integer
fprd	Integer
lyear	Integer
lprd	Integer

cfmpack cfmpack

Description

Mark a database as packed.

Usage

```
cfmpack(status, dbkey)
```

Arguments

status	Integer
dbkey	Integer

cfmpdat cfmpdat

Description

Convert a year and period to a date.

Usage

```
cfmpdat(status, freq, date, year, period)
```

Arguments

status	Integer
freq	Integer
date	Integer
year	Integer
period	Integer

cfmpfrq cfmpfrq

Description

Pack a frequency.

Usage

```
cfmpfrq(status, freq, base, nunits, year, month)
```

Arguments

status	Integer
freq	Integer
base	Integer
nunits	Integer
year	Integer
month	Integer

cfmpind cfmpind

Description

Get the number of periods in a day.

Usage

```
cfmpind(status, freq, count)
```

Arguments

status	Integer
freq	Integer
count	Integer

cfmpinm cfmpinm

Description

Get the number of periods in a month.

Usage

```
cfmpinm(status, freq, year, month, count)
```

Arguments

status	Integer
freq	Integer
year	Integer
month	Integer
count	Integer

cfmpiny cfmpiny

Description

Get the number of periods in a year.

Usage

```
cfmpiny(status, freq, year, count)
```

Arguments

status	Integer
freq	Integer
year	Integer
count	Integer

cfmpodb cfmpodb

Description

Post a database.

Usage

```
cfmpodb(status, dbkey)
```

Arguments

status	Integer
dbkey	Integer

cfmrdfa_double cfmrdfa_double

Description

Read all of the Numeric data from an object.

Usage

```
cfmrdfa_double(status, dbkey, objnam, wntobs, syear, sprd, gotobs, valary,
  tmiss, mistt)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
wntobs	Integer
syear	Integer
sprd	Integer
gotobs	Integer
valary	Numeric vector
tmiss	Integer
mistt	Numeric vector

cfmrdfa_float cfmrdfa_float

Description

Read all of the Numeric data from an object.

Usage

```
cfmrdfa_float(status, dbkey, objnam, wntobs, syear, sprd, gotobs, valary,
  tmiss, mistt)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
wntobs	Integer
syear	Integer
sprd	Integer
gotobs	Integer
valary	Numeric vector
tmiss	Integer
mistt	Numeric vector

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cfmrdfa_int cfmrdfa_int

Description

Read all of the Integer data from an object.

Usage

```
cfmrdfa_int(status, dbkey, objnam, wntobs, syear, sprd, gotobs, valary,
  tmiss, mistt)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
wntobs	Integer
syear	Integer
sprd	Integer
gotobs	Integer
valary	Integer vector
tmiss	Integer
mistt	Integer vector

cfmrdfm cfmrdfm

Description

Read the source code for a formula from a database.

Usage

```
cfmrdfm(status, dbkey, objnam, source, ilen, olen)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
source	Character
ilen	Integer
olen	Integer

cfmrmev cfmrmev

Description

Call on analytical channel to evaluate an expression.

Usage

```
cfmrmev(status, dbkey, expr, optns, wdbkey, objnam)
```

Arguments

status	Integer
dbkey	Integer
expr	Character
optns	Character
wdbkey	Integer
objnam	Character

cfmrnob cfmrnob

Description

Rename an object.

Usage

```
cfmrnob(status, dbkey, srcnam, tarnam)
```

Arguments

status	Integer
dbkey	Integer
srcnam	Character
tarnam	Character

cfmrrng_double cfmrrng_double

Description

Read a range of Numeric data from an object.

Usage

```
cfmrrng_double(status, dbkey, objnam, range, valary, tmiss, mistt)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
range	Integer vector
valary	Numeric vector
tmiss	Integer
mistt	Numeric vector

cfmrrng_float cfmrrng_float

Description

Read a range of Numeric data from an object.

Usage

```
cfmrrng_float(status, dbkey, objnam, range, valary, tmiss, mistt)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
range	Integer vector
valary	Numeric vector
tmiss	Integer
mistt	Numeric vector

cfmrrng_int cfmrrng_int

Description

Read a range of Integer data from an object.

Usage

```
cfmrrng_int(status, dbkey, objnam, range, valary, tmiss, mistt)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
range	Integer vector
valary	Integer vector
tmiss	Integer
mistt	Integer vector

cfmrsdb cfmrsdb

Description

Restore a database.

Usage

```
cfmrsdb(status, dbkey)
```

Arguments

status	Integer
dbkey	Integer

cfmsali cfmsali

Description

Set an object's ALIAS attribute.

Usage

```
cfmsali(status, dbkey, objnam, aliass)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
aliass	Character

`cfmsaso` `cfmsaso`

Description

Set an object's ASSOCIATE attribute.

Usage

```
cfmsaso(status, dbkey, objnam, assoc)
```

Arguments

`status`	Integer
`dbkey`	Integer
`objnam`	Character
`assoc`	Character

`cfmsatt_char` `cfmsatt_char`

Description

Set the value of a user-defined Character attribute

Usage

```
cfmsatt_char(status, dbkey, objnam, atttyp, attnam, value)
```

Arguments

`status`	Integer
`dbkey`	Integer
`objnam`	Character
`atttyp`	Integer
`attnam`	Character
`value`	Character

`cfmsatt_double` `cfmsatt_double`

Description

Set the value of a user-defined Numeric attribute

Usage

```
cfmsatt_double(status, dbkey, objnam, atttyp, attnam, value)
```

Arguments

`status`	Integer
`dbkey`	Integer
`objnam`	Character
`atttyp`	Integer
`attnam`	Character
`value`	Numeric

`cfmsatt_float` `cfmsatt_float`

Description

Set the value of a user-defined Numeric attribute

Usage

```
cfmsatt_float(status, dbkey, objnam, atttyp, attnam, value)
```

Arguments

`status`	Integer
`dbkey`	Integer
`objnam`	Character
`atttyp`	Integer
`attnam`	Character
`value`	Numeric

cfmsatt_int cfmsatt_int

Description

Set the value of a user-defined Integer attribute

Usage

```
cfmsatt_int(status, dbkey, objnam, atttyp, attnam, value)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
atttyp	Integer
attnam	Character
value	Integer

cfmsbas cfmsbas

Description

Set an object's BASIS attribute.

Usage

```
cfmsbas(status, dbkey, objnam, basis)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
basis	Integer

cfmsbm cfmsbm

Description

Set a boolean missing value translation table.

Usage

```
cfmsbm(status, nctran, ndtran, natran, bmistt)
```

Arguments

status	Integer
nctran	Integer
ndtran	Integer
natran	Integer
bmistt	Integer vector

cfmsdes cfmsdes

Description

Set an object's DESCRIPTION attribute.

Usage

```
cfmsdes(status, dbkey, objnam, desc)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
desc	Character

`cfmsdm` `cfmsdm`

Description

Set a date missing value translation table.

Usage

```
cfmsdm(status, nctran, ndtran, natran, dmistt)
```

Arguments

`status`	Integer
`nctran`	Integer
`ndtran`	Integer
`natran`	Integer
`dmistt`	Integer vector

`cfmsdoc` `cfmsdoc`

Description

Set an object's DOCUMENTATION attribute.

Usage

```
cfmsdoc(status, dbkey, objnam, doc)
```

Arguments

`status`	Integer
`dbkey`	Integer
`objnam`	Character
`doc`	Character

`cfmset_dimension` `cfmset_dimension`

Description

Set the dimension attribute for a database.

Usage

```
cfmset_dimension(status, dbkey, dimen)
```

Arguments

`status`	Integer
`dbkey`	Integer
`dimen`	Integer

`cfmset_extradots` `cfmset_extradots`

Description

Set the extradots attribute for a database.

Usage

```
cfmset_extradots(status, dbkey, xdots)
```

Arguments

`status`	Integer
`dbkey`	Integer
`xdots`	Integer

cfmsfis cfmsfis

Description

Set a fiscal range for reading or writing data.

Usage

```
cfmsfis(status, freq, syear, sprd, eyear, eprd, range, numobs, fmonth,
  flabel)
```

Arguments

status	Integer
freq	Integer
syear	Integer
sprd	Integer
eyear	Integer
eprd	Integer
range	Integer vector
numobs	Integer
fmonth	Integer
flabel	Integer

cfmsinp cfmsinp

Description

Read the next FAME Server command.

Usage

```
cfmsinp(status, cmd)
```

Arguments

status	Integer
cmd	Character

cfmsnm cfmsnm

Description

Set a numeric missing value translation table.

Usage

```
cfmsnm(status, nctran, ndtran, natran, nmistt)
```

Arguments

status	Integer
nctran	Numeric
ndtran	Numeric
natran	Numeric
nmistt	Numeric vector

cfmsobs cfmsobs

Description

Set an object's OBSERVED attribute.

Usage

```
cfmsobs(status, dbkey, objnam, observ)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
observ	Integer

cfmsopt cfmsopt

Description

Setting options in the C HLI.

Usage

```
cfmsopt(status, optnam, optval)
```

Arguments

status	Integer
optnam	Character
optval	Character

cfmspm cfmspm

Description

Set a precision missing value translation table.

Usage

```
cfmspm(status, nctran, ndtran, natran, pmistt)
```

Arguments

status	Integer
nctran	Numeric
ndtran	Numeric
natran	Numeric
pmistt	Numeric vector

cfmspos cfmspos

Description

Enable or disable the POST/RESTORE mechanism.

Usage

```
cfmspos(status, flag)
```

Arguments

status	Integer
flag	Integer

cfmsrng cfmsrng

Description

Set a range for reading or writing data.

Usage

```
cfmsrng(status, freq, syear, sprd, eyear, eprd, range, numobs)
```

Arguments

status	Integer
freq	Integer
syear	Integer
sprd	Integer
eyear	Integer
eprd	Integer
range	Integer vector
numobs	Integer

`cfmssln` `cfmssln`

Description

Set an object's STRINGLENGTH attribute.

Usage

```
cfmssln(status, dbkey, objnam, length)
```

Arguments

`status`	Integer
`dbkey`	Integer
`objnam`	Character
`length`	Integer

`cfmtdat` `cfmtdat`

Description

Convert a daily date and time to an intraday date.

Usage

```
cfmtdat(status, freq, date, hour, minute, second, ddate)
```

Arguments

`status`	Integer
`freq`	Integer
`date`	Integer
`hour`	Integer
`minute`	Integer
`second`	Integer
`ddate`	Integer

cfmtody cfmtody

Description

Get today's date.

Usage

```
cfmtody(status, freq, date)
```

Arguments

status	Integer
freq	Integer
date	Integer

cfmufrq cfmufrq

Description

Unpack a frequency.

Usage

```
cfmufrq(status, freq, base, nunits, year, month)
```

Arguments

status	Integer
freq	Integer
base	Integer
nunits	Integer
year	Integer
month	Integer

cfmver cfmver

Description

Get the C HLI version number.

Usage

```
cfmver(status, ver)
```

Arguments

status	Integer
ver	Numeric

Examples

```
status <- Integer(-1L)
ver <- Numeric(-1)
cfmver(status,ver)
cat(sprintf("CHLI version %.5f",ver$value))
```

cfmwhat cfmwhat

Description

Get information about an object.

Usage

```
cfmwhat(status, dbkey, objnam, class, type, freq, basis, observ, fyear,
  fprd, lyear, lprd, cyear, cmonth, cday, myear, mmonth, mday, desc, doc)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
class	Integer
type	Integer
freq	Integer

basis	Integer
observ	Integer
fyear	Integer
fprd	Integer
lyear	Integer
lprd	Integer
cyear	Integer
cmonth	Integer
cday	Integer
myear	Integer
mmonth	Integer
mday	Integer
desc	Character
doc	Character

---

cfmwkdy cfmwkdy

Description

Get the weekday of a date.

Usage

```
cfmwkdy(status, freq, date, wkdy)
```

Arguments

status	Integer
freq	Integer
date	Integer
wkdy	Integer

`cfmwrmt_double` `cfmwrmt_double`

Description

Write a range of Numeric data to a remote database.

Usage

```
cfmwrmt_double(status, dbkey, objnam, objtyp, range, valary, tmiss, mistt)
```

Arguments

`status`	Integer
`dbkey`	Integer
`objnam`	Character
`objtyp`	Integer
`range`	Integer vector
`valary`	Numeric vector
`tmiss`	Integer
`mistt`	Numeric vector

`cfmwrmt_float` `cfmwrmt_float`

Description

Write a range of Numeric data to a remote database.

Usage

```
cfmwrmt_float(status, dbkey, objnam, objtyp, range, valary, tmiss, mistt)
```

Arguments

`status`	Integer
`dbkey`	Integer
`objnam`	Character
`objtyp`	Integer
`range`	Integer vector
`valary`	Numeric vector
`tmiss`	Integer
`mistt`	Numeric vector

cfmwrmt_int cfmwrmt_int

Description

Write a range of Integer data to a remote database.

Usage

```
cfmwrmt_int(status, dbkey, objnam, objtyp, range, valary, tmiss, mistt)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
objtyp	Integer
range	Integer vector
valary	Integer vector
tmiss	Integer
mistt	Integer vector

cfmwrng_double cfmwrng_double

Description

Write a range of Numeric data.

Usage

```
cfmwrng_double(status, dbkey, objnam, range, valary, tmiss, mistt)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
range	Integer vector
valary	Numeric vector
tmiss	Integer
mistt	Numeric vector

cfmwrng_float cfmwrng_float

Description

Write a range of Numeric data.

Usage

```
cfmwrng_float(status, dbkey, objnam, range, valary, tmiss, mistt)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
range	Integer vector
valary	Numeric vector
tmiss	Integer
mistt	Numeric vector

cfmwrng_int cfmwrng_int

Description

Write a range of Integer data.

Usage

```
cfmwrng_int(status, dbkey, objnam, range, valary, tmiss, mistt)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
range	Integer vector
valary	Integer vector
tmiss	Integer
mistt	Integer vector

cfmwstr cfmwstr

Description

Write a single string value.

Usage

```
cfmwstr(status, dbkey, objnam, range, strval, ismiss, length)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
range	Integer vector
strval	Character
ismiss	Integer
length	Integer

cfmwsts cfmwsts

Description

Write a range of string values.

Usage

```
cfmwsts(status, dbkey, objnam, range, strary, misary, lenary)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
range	Integer vector
strary	Character vector
misary	Integer vector
lenary	Integer vector

cfmwtnl cfmwtnl

Description

Write an element of a namelist or a whole namelist.

Usage

```
cfmwtnl(status, dbkey, objnam, index, strval)
```

Arguments

status	Integer
dbkey	Integer
objnam	Character
index	Integer
strval	Character

Character-class Character

Description

A reference class to implement mutable character data.

Fields

value A character vector.

Methods

initialize(s = "") Initialize a character vector.

Examples

```
blankLine <- Character(sprintf("%80s",""))
```

fame_biweekday *C-HLI function* fame_biweekday

Description

C-HLI function fame_biweekday

Usage

```
fame_biweekday(freq, date, biweekday)
```

Arguments

freq	Integer
date	Integer
biweekday	Integer

fame_create_formula *C-HLI function* fame_create_formula

Description

C-HLI function fame_create_formula

Usage

```
fame_create_formula(dbkey, oname, value)
```

Arguments

dbkey	Integer
oname	Character
value	Character

fame_create_global_formula
C-HLI function fame_create_global_formula

Description

C-HLI function fame_create_global_formula

Usage

```
fame_create_global_formula(dbkey, oname, value)
```

Arguments

dbkey	Integer
oname	Character
value	Character

fame_current_time *C-HLI function* fame_current_time

Description

C-HLI function fame_current_time

Usage

```
fame_current_time(freq, date)
```

Arguments

freq	Integer
date	Integer

fame_dateof *C-HLI function* fame_dateof

Description

C-HLI function fame_dateof

Usage

```
fame_dateof(from_freq, from_date, select, to_freq, to_date, relate)
```

Arguments

from_freq	Integer
from_date	Integer
select	Integer
to_freq	Integer
to_date	Integer
relate	Integer

fame_date_missing_type *C-HLI function* fame_date_missing_type

Description

C-HLI function fame_date_missing_type

Usage

```
fame_date_missing_type(date, missing_type)
```

Arguments

date	Integer
missing_type	Integer

fame_date_to_literal *C-HLI function* fame_date_to_literal

Description

C-HLI function fame_date_to_literal

Usage

```
fame_date_to_literal(freq, date, literal, end_month, label_year, inlen,
  outlen)
```

Arguments

freq	Integer
date	Integer
literal	Character
end_month	Integer
label_year	Integer
inlen	Integer
outlen	Integer

fame_day_to_index *C-HLI function* fame_day_to_index

Description

C-HLI function fame_day_to_index

Usage

```
fame_day_to_index(freq, date, year, month, day, relate)
```

Arguments

freq	Integer
date	Integer
year	Integer
month	Integer
day	Integer
relate	Integer

fame_dimchar *C-HLI function* fame_dimchar

Description

C-HLI function fame_dimchar

Usage

```
fame_dimchar(dimchar, dimnum)
```

Arguments

dimchar	Character
dimnum	Integer

fame_dimnum *C-HLI function* fame_dimnum

Description

C-HLI function fame_dimnum

Usage

```
fame_dimnum(dimnum, dimchar)
```

Arguments

dimnum	Integer
dimchar	Character

fame_expiration_date *C-HLI function* fame_expiration_date

Description

C-HLI function fame_expiration_date

Usage

```
fame_expiration_date(date)
```

Arguments

date	Integer

fame_format_date *C-HLI function* fame_format_date

Description

C-HLI function fame_format_date

Usage

```
fame_format_date(freq, date, string, image, end_month, label_year, inlen,
  outlen)
```

Arguments

freq	Integer
date	Integer
string	Character
image	Character
end_month	Integer
label_year	Integer
inlen	Integer
outlen	Integer

fame_free_wildcard *C-HLI function* fame_free_wildcard

Description

C-HLI function fame_free_wildcard

Usage

```
fame_free_wildcard(wildkey)
```

Arguments

wildkey	Integer

fame_get_base_frequency *C-HLI function* fame_get_base_frequency

Description

C-HLI function fame_get_base_frequency

Usage

```
fame_get_base_frequency(base_freq, freq)
```

Arguments

base_freq	Integer
freq	Integer

fame_get_booleans *C-HLI function* fame_get_booleans

Description

C-HLI function fame_get_booleans

Usage

```
fame_get_booleans(dbkey, objnam, range, valary)
```

Arguments

dbkey	Integer
objnam	Character
range	Integer vector
valary	Integer vector

fame_get_boolean_attribute

C-HLI function fame_get_boolean_attribute

Description

C-HLI function fame_get_boolean_attribute

Usage

```
fame_get_boolean_attribute(dbkey, objnam, attnam, value)
```

Arguments

dbkey	Integer
objnam	Character
attnam	Character
value	Integer

fame_get_dates

C-HLI function fame_get_dates

Description

C-HLI function fame_get_dates

Usage

```
fame_get_dates(dbkey, objnam, range, valary)
```

Arguments

dbkey	Integer
objnam	Character
range	Integer vector
valary	Integer vector

fame_get_date_attribute *C-HLI function* fame_get_date_attribute

Description

C-HLI function fame_get_date_attribute

Usage

```
fame_get_date_attribute(dbkey, objnam, attnam, value, freq)
```

Arguments

dbkey	Integer
objnam	Character
attnam	Character
value	Integer
freq	Integer

fame_get_dbversion *C-HLI function* fame_get_dbversion

Description

C-HLI function fame_get_dbversion

Usage

```
fame_get_dbversion(dbkey, dbversion)
```

Arguments

dbkey	Integer
dbversion	Integer

`fame_get_db_dates` *C-HLI function* `fame_get_db_dates`

Description

C-HLI function `fame_get_db_dates`

Usage

```
fame_get_db_dates(dbkey, cdate, mdate)
```

Arguments

`dbkey`	Integer
`cdate`	Integer
`mdate`	Integer

`fame_get_namelist_attribute`
C-HLI function `fame_get_namelist_attribute`

Description

C-HLI function `fame_get_namelist_attribute`

Usage

```
fame_get_namelist_attribute(dbkey, objnam, attnam, value, inlen, outlen)
```

Arguments

`dbkey`	Integer
`objnam`	Character
`attnam`	Character
`value`	Character
`inlen`	Integer
`outlen`	Integer

fame_get_next_wildcard *C-HLI function* fame_get_next_wildcard

Description

C-HLI function fame_get_next_wildcard

Usage

```
fame_get_next_wildcard(wildkey, objname, obj_class, type, freq, start, end,
  inlen, outlen)
```

Arguments

wildkey	Integer
objname	Character
obj_class	Integer
type	Integer
freq	Integer
start	Integer
end	Integer
inlen	Integer
outlen	Integer

fame_get_numerics *C-HLI function* fame_get_numerics

Description

C-HLI function fame_get_numerics

Usage

```
fame_get_numerics(dbkey, objnam, range, valary)
```

Arguments

dbkey	Integer
objnam	Character
range	Integer vector
valary	Numeric vector

fame_get_numeric_attribute

C-HLI function fame_get_numeric_attribute

Description

C-HLI function fame_get_numeric_attribute

Usage

```
fame_get_numeric_attribute(dbkey, objnam, attnam, value)
```

Arguments

dbkey	Integer
objnam	Character
attnam	Character
value	Numeric

fame_get_precisions

C-HLI function fame_get_precisions

Description

C-HLI function fame_get_precisions

Usage

```
fame_get_precisions(dbkey, objnam, range, valary)
```

Arguments

dbkey	Integer
objnam	Character
range	Integer vector
valary	Numeric vector

fame_get_precision_attribute *C-HLI function* fame_get_precision_attribute

Description

C-HLI function fame_get_precision_attribute

Usage

```
fame_get_precision_attribute(dbkey, objnam, attnam, value)
```

Arguments

dbkey	Integer
objnam	Character
attnam	Character
value	Numeric

fame_get_range_numobs *C-HLI function* fame_get_range_numobs

Description

C-HLI function fame_get_range_numobs

Usage

```
fame_get_range_numobs(range, numobs)
```

Arguments

range	Integer vector
numobs	Integer

fame_get_real_name *C-HLI function* fame_get_real_name

Description

C-HLI function fame_get_real_name

Usage

```
fame_get_real_name(dbkey, objname, basename, inlen, outlen)
```

Arguments

dbkey	Integer
objname	Character
basename	Character
inlen	Integer
outlen	Integer

fame_get_server_input *C-HLI function* fame_get_server_input

Description

C-HLI function fame_get_server_input

Usage

```
fame_get_server_input(buffer, buffer_size, input_size)
```

Arguments

buffer	Character
buffer_size	Integer
input_size	Integer

fame_get_strings *C-HLI function* fame_get_strings

Description

C-HLI function fame_get_strings

Usage

```
fame_get_strings(dbkey, objnam, range, strary, inlenary, outlenary)
```

Arguments

dbkey	Integer
objnam	Character
range	Integer vector
strary	Character vector
inlenary	Integer vector
outlenary	Integer vector

fame_get_string_attribute *C-HLI function* fame_get_string_attribute

Description

C-HLI function fame_get_string_attribute

Usage

```
fame_get_string_attribute(dbkey, objnam, attnam, value, inlen, outlen)
```

Arguments

dbkey	Integer
objnam	Character
attnam	Character
value	Character
inlen	Integer
outlen	Integer

fame_index_to_day *C-HLI function* fame_index_to_day

Description

C-HLI function fame_index_to_day

Usage

```
fame_index_to_day(freq, date, year, month, day)
```

Arguments

freq	Integer
date	Integer
year	Integer
month	Integer
day	Integer

fame_index_to_int *C-HLI function* fame_index_to_int

Description

C-HLI function fame_index_to_int

Usage

```
fame_index_to_int(indexes64ary, indexes32ary, numobs)
```

Arguments

indexes64ary	Integer vector
indexes32ary	Integer vector
numobs	Integer

fame_index_to_time *C-HLI function* fame_index_to_time

Description

C-HLI function fame_index_to_time

Usage

```
fame_index_to_time(freq, date, year, month, day, hour, minute, second,
  millisecond)
```

Arguments

freq	Integer
date	Integer
year	Integer
month	Integer
day	Integer
hour	Integer
minute	Integer
second	Integer
millisecond	Integer

fame_index_to_year_period *C-HLI function* fame_index_to_year_period

Description

C-HLI function fame_index_to_year_period

Usage

```
fame_index_to_year_period(freq, date, year, period)
```

Arguments

freq	Integer
date	Integer
year	Integer
period	Integer

fame_info *C-HLI function* fame_info

Description

C-HLI function fame_info

Usage

```
fame_info(dbkey, oname, oclass, type, freq, findex, lindex, basis, observ,
  cdate, mdate, desc, indesclen, outdesclen, doc, indoclen, outdoclen)
```

Arguments

dbkey	Integer
oname	Character
oclass	Integer
type	Integer
freq	Integer
findex	Integer
lindex	Integer
basis	Integer
observ	Integer
cdate	Integer
mdate	Integer
desc	Character
indesclen	Integer
outdesclen	Integer
doc	Character
indoclen	Integer
outdoclen	Integer

`fame_init_range_from_end_numobs`
C-HLI function `fame_init_range_from_end_numobs`

Description

C-HLI function `fame_init_range_from_end_numobs`

Usage

```
fame_init_range_from_end_numobs(range, freq, end, numobs)
```

Arguments

`range`	Integer vector
`freq`	Integer
`end`	Integer
`numobs`	Integer

`fame_init_range_from_indexes`
C-HLI function `fame_init_range_from_indexes`

Description

C-HLI function `fame_init_range_from_indexes`

Usage

```
fame_init_range_from_indexes(range, freq, start, end)
```

Arguments

`range`	Integer vector
`freq`	Integer
`start`	Integer
`end`	Integer

fame_init_range_from_start_numobs

C-HLI function fame_init_range_from_start_numobs

Description

C-HLI function fame_init_range_from_start_numobs

Usage

```
fame_init_range_from_start_numobs(range, freq, start, numobs)
```

Arguments

range	Integer vector
freq	Integer
start	Integer
numobs	Integer

fame_init_wildcard

C-HLI function fame_init_wildcard

Description

C-HLI function fame_init_wildcard

Usage

```
fame_init_wildcard(dbkey, wildkey, wildname, wildonly, wildstart)
```

Arguments

dbkey	Integer
wildkey	Integer
wildname	Character
wildonly	Integer
wildstart	Character

fame_int_to_index *C-HLI function* fame_int_to_index

Description

C-HLI function fame_int_to_index

Usage

```
fame_int_to_index(indexes32, indexes64, numobs)
```

Arguments

indexes32	Integer
indexes64	Integer
numobs	Integer

fame_len_strings *C-HLI function* fame_len_strings

Description

C-HLI function fame_len_strings

Usage

```
fame_len_strings(dbkey, objnam, range, lenary)
```

Arguments

dbkey	Integer
objnam	Character
range	Integer vector
lenary	Integer vector

fame_literal_to_date *C-HLI function* fame_literal_to_date

Description

C-HLI function fame_literal_to_date

Usage

```
fame_literal_to_date(freq, date, literal, end_month, label_year, century)
```

Arguments

freq	Integer
date	Integer
literal	Character
end_month	Integer
label_year	Integer
century	Integer

fame_modify_formula *C-HLI function* fame_modify_formula

Description

C-HLI function fame_modify_formula

Usage

```
fame_modify_formula(dbkey, oname, value)
```

Arguments

dbkey	Integer
oname	Character
value	Character

fame_parse_frequency *C-HLI function* fame_parse_frequency

Description

C-HLI function fame_parse_frequency

Usage

```
fame_parse_frequency(freq, frequency_spec)
```

Arguments

freq	Integer
frequency_spec	Character

fame_quick_info *C-HLI function* fame_quick_info

Description

C-HLI function fame_quick_info

Usage

```
fame_quick_info(dbkey, oname, oclass, type, freq, findex, lindex)
```

Arguments

dbkey	Integer
oname	Character
oclass	Integer
type	Integer
freq	Integer
findex	Integer
lindex	Integer

fame_remexec *C-HLI function* fame_remexec

Description

C-HLI function fame_remexec

Usage

```
fame_remexec(dbkey, command, wdbkey, objnam)
```

Arguments

dbkey	Integer
command	Character
wdbkey	Integer
objnam	Character

fame_scan_date *C-HLI function* fame_scan_date

Description

C-HLI function fame_scan_date

Usage

```
fame_scan_date(freq, date, string, image, end_month, label_year, century)
```

Arguments

freq	Integer
date	Integer
string	Character
image	Character
end_month	Integer
label_year	Integer
century	Integer

`fame_set_boolean_attribute`
C-HLI function `fame_set_boolean_attribute`

Description

C-HLI function `fame_set_boolean_attribute`

Usage

```
fame_set_boolean_attribute(dbkey, objnam, attnam, value)
```

Arguments

`dbkey`	Integer
`objnam`	Character
`attnam`	Character
`value`	Integer

`fame_set_date_attribute`
C-HLI function `fame_set_date_attribute`

Description

C-HLI function `fame_set_date_attribute`

Usage

```
fame_set_date_attribute(dbkey, objnam, attnam, value, freq)
```

Arguments

`dbkey`	Integer
`objnam`	Character
`attnam`	Character
`value`	Integer
`freq`	Integer

`fame_set_namelist_attribute`
C-HLI function `fame_set_namelist_attribute`

Description

C-HLI function `fame_set_namelist_attribute`

Usage

```
fame_set_namelist_attribute(dbkey, objnam, attnam, value)
```

Arguments

`dbkey`	Integer
`objnam`	Character
`attnam`	Character
`value`	Character

`fame_set_numeric_attribute`
C-HLI function `fame_set_numeric_attribute`

Description

C-HLI function `fame_set_numeric_attribute`

Usage

```
fame_set_numeric_attribute(dbkey, objnam, attnam, value)
```

Arguments

`dbkey`	Integer
`objnam`	Character
`attnam`	Character
`value`	Numeric

`fame_set_precision_attribute`
C-HLI function `fame_set_precision_attribute`

Description

C-HLI function `fame_set_precision_attribute`

Usage

```
fame_set_precision_attribute(dbkey, objnam, attnam, value)
```

Arguments

`dbkey`	Integer
`objnam`	Character
`attnam`	Character
`value`	Numeric

`fame_set_string_attribute`
C-HLI function `fame_set_string_attribute`

Description

C-HLI function `fame_set_string_attribute`

Usage

```
fame_set_string_attribute(dbkey, objnam, attnam, value)
```

Arguments

`dbkey`	Integer
`objnam`	Character
`attnam`	Character
`value`	Character

fame_time_to_index *C-HLI function* fame_time_to_index

Description

C-HLI function fame_time_to_index

Usage

```
fame_time_to_index(freq, date, year, month, day, hour, minute, second,
  millisecond, relate)
```

Arguments

freq	Integer
date	Integer
year	Integer
month	Integer
day	Integer
hour	Integer
minute	Integer
second	Integer
millisecond	Integer
relate	Integer

fame_type_to_string *C-HLI function* fame_type_to_string

Description

C-HLI function fame_type_to_string

Usage

```
fame_type_to_string(type, type_spec, inlen, outlen)
```

Arguments

type	Integer
type_spec	Character
inlen	Integer
outlen	Integer

fame_weekday *C-HLI function* fame_weekday

Description

C-HLI function fame_weekday

Usage

```
fame_weekday(freq, date, weekday)
```

Arguments

freq	Integer
date	Integer
weekday	Integer

fame_write_booleans *C-HLI function* fame_write_booleans

Description

C-HLI function fame_write_booleans

Usage

```
fame_write_booleans(dbkey, objnam, range, valary)
```

Arguments

dbkey	Integer
objnam	Character
range	Integer vector
valary	Integer vector

fame_write_dates *C-HLI function* fame_write_dates

Description

C-HLI function fame_write_dates

Usage

```
fame_write_dates(dbkey, objnam, range, value_type, valary)
```

Arguments

dbkey	Integer
objnam	Character
range	Integer vector
value_type	Integer
valary	Integer vector

fame_write_numerics *C-HLI function* fame_write_numerics

Description

C-HLI function fame_write_numerics

Usage

```
fame_write_numerics(dbkey, objnam, range, valary)
```

Arguments

dbkey	Integer
objnam	Character
range	Integer vector
valary	Numeric vector

fame_write_precisions *C-HLI function* fame_write_precisions

Description

C-HLI function fame_write_precisions

Usage

```
fame_write_precisions(dbkey, objnam, range, valary)
```

Arguments

dbkey	Integer
objnam	Character
range	Integer vector
valary	Numeric vector

fame_write_strings *C-HLI function* fame_write_strings

Description

C-HLI function fame_write_strings

Usage

```
fame_write_strings(dbkey, objnam, range, strary)
```

Arguments

dbkey	Integer
objnam	Character
range	Integer vector
strary	Character vector

fame_year_period_to_index *C-HLI function* fame_year_period_to_index

Description

C-HLI function fame_year_period_to_index

Usage

```
fame_year_period_to_index(freq, date, year, period)
```

Arguments

freq	Integer
date	Integer
year	Integer
period	Integer

HABORT *C-HLI constant* HABORT

Description

C-HLI constant HABORT

Usage

```
HABORT
```

Format

An object of class integer of length 1.

HAFRI *C-HLI constant* HAFRI

Description

C-HLI constant HAFRI

Usage

```
HAFRI
```

Format

An object of class integer of length 1.

HAFTER *C-HLI constant* HAFTER

Description

C-HLI constant HAFTER

Usage

```
HAFTER
```

Format

An object of class integer of length 1.

HALL *C-HLI constant* HALL

Description

C-HLI constant HALL

Usage

```
HALL
```

Format

An object of class integer of length 1.

HAMON *C-HLI constant* HAMON

Description

C-HLI constant HAMON

Usage

```
HAMON
```

Format

An object of class `integer` of length 1.

HANAPR *C-HLI constant* HANAPR

Description

C-HLI constant HANAPR

Usage

```
HANAPR
```

Format

An object of class `integer` of length 1.

HANAUG *C-HLI constant* HANAUG

Description

C-HLI constant HANAUG

Usage

```
HANAUG
```

Format

An object of class `integer` of length 1.

HANDEC *C-HLI constant* HANDEC

Description

C-HLI constant HANDEC

Usage

```
HANDEC
```

Format

An object of class integer of length 1.

HANFEB *C-HLI constant* HANFEB

Description

C-HLI constant HANFEB

Usage

```
HANFEB
```

Format

An object of class integer of length 1.

HANJAN *C-HLI constant* HANJAN

Description

C-HLI constant HANJAN

Usage

```
HANJAN
```

Format

An object of class integer of length 1.

HANJUL *C-HLI constant* HANJUL

Description

C-HLI constant HANJUL

Usage

```
HANJUL
```

Format

An object of class `integer` of length 1.

HANJUN *C-HLI constant* HANJUN

Description

C-HLI constant HANJUN

Usage

```
HANJUN
```

Format

An object of class `integer` of length 1.

HANMAR *C-HLI constant* HANMAR

Description

C-HLI constant HANMAR

Usage

```
HANMAR
```

Format

An object of class `integer` of length 1.

HANMAY *C-HLI constant* HANMAY

Description

C-HLI constant HANMAY

Usage

```
HANMAY
```

Format

An object of class `integer` of length 1.

HANNOV *C-HLI constant* HANNOV

Description

C-HLI constant HANNOV

Usage

```
HANNOV
```

Format

An object of class `integer` of length 1.

HANOCT *C-HLI constant* HANOCT

Description

C-HLI constant HANOCT

Usage

```
HANOCT
```

Format

An object of class `integer` of length 1.

HANSEP *C-HLI constant* HANSEP

Description

C-HLI constant HANSEP

Usage

```
HANSEP
```

Format

An object of class `integer` of length 1.

HAPOST *C-HLI constant* HAPOST

Description

C-HLI constant HAPOST

Usage

```
HAPOST
```

Format

An object of class `integer` of length 1.

HAPPY *C-HLI constant* HAPPY

Description

C-HLI constant HAPPY

Usage

```
HAPPY
```

Format

An object of class `integer` of length 1.

HAPR *C-HLI constant* HAPR

Description

C-HLI constant HAPR

Usage

```
HAPR
```

Format

An object of class `integer` of length 1.

HASAT *C-HLI constant* HASAT

Description

C-HLI constant HASAT

Usage

```
HASAT
```

Format

An object of class `integer` of length 1.

HASUN *C-HLI constant* HASUN

Description

C-HLI constant HASUN

Usage

```
HASUN
```

Format

An object of class `integer` of length 1.

HATHU *C-HLI constant* HATHU

Description

C-HLI constant HATHU

Usage

```
HATHU
```

Format

An object of class `integer` of length 1.

HATUE *C-HLI constant* HATUE

Description

C-HLI constant HATUE

Usage

```
HATUE
```

Format

An object of class `integer` of length 1.

HAUG *C-HLI constant* HAUG

Description

C-HLI constant HAUG

Usage

```
HAUG
```

Format

An object of class `integer` of length 1.

HAWED *C-HLI constant* HAWED

Description

C-HLI constant HAWED

Usage

```
HAWED
```

Format

An object of class `integer` of length 1.

HAYPP *C-HLI constant* HAYPP

Description

C-HLI constant HAYPP

Usage

```
HAYPP
```

Format

An object of class `integer` of length 1.

HBADVAL *C-HLI constant* HBADVAL

Description

C-HLI constant HBADVAL

Usage

```
HBADVAL
```

Format

An object of class `integer` of length 1.

HBASRT *C-HLI constant* HBASRT

Description

C-HLI constant HBASRT

Usage

```
HBASRT
```

Format

An object of class `integer` of length 1.

HBATTR *C-HLI constant* HBATTR

Description

C-HLI constant HBATTR

Usage

```
HBATTR
```

Format

An object of class `integer` of length 1.

HBATYP *C-HLI constant* HBATYP

Description

C-HLI constant HBATYP

Usage

```
HBATYP
```

Format

An object of class `integer` of length 1.

HBBASI *C-HLI constant* HBBASI

Description

C-HLI constant HBBASI

Usage

```
HBBASI
```

Format

An object of class integer of length 1.

HBCLAS *C-HLI constant* HBCLAS

Description

C-HLI constant HBCLAS

Usage

```
HBCLAS
```

Format

An object of class integer of length 1.

HBCNTX *C-HLI constant* HBCNTX

Description

C-HLI constant HBCNTX

Usage

```
HBCNTX
```

Format

An object of class integer of length 1.

HBCONN *C-HLI constant* HBCONN

Description

C-HLI constant HBCONN

Usage

```
HBCONN
```

Format

An object of class `integer` of length 1.

HBCPU *C-HLI constant* HBCPU

Description

C-HLI constant HBCPU

Usage

```
HBCPU
```

Format

An object of class `integer` of length 1.

HBDATE *C-HLI constant* HBDATE

Description

C-HLI constant HBDATE

Usage

```
HBDATE
```

Format

An object of class `integer` of length 1.

HBDAY *C-HLI constant* HBDAY

Description

C-HLI constant HBDAY

Usage

```
HBDAY
```

Format

An object of class integer of length 1.

HBEFOR *C-HLI constant* HBEFOR

Description

C-HLI constant HBEFOR

Usage

```
HBEFOR
```

Format

An object of class integer of length 1.

HBEGIN *C-HLI constant* HBEGIN

Description

C-HLI constant HBEGIN

Usage

```
HBEGIN
```

Format

An object of class integer of length 1.

HBERNG *C-HLI constant* HBERNG

Description

C-HLI constant HBERNG

Usage

```
HBERNG
```

Format

An object of class integer of length 1.

HBFILE *C-HLI constant* HBFILE

Description

C-HLI constant HBFILE

Usage

```
HBFILE
```

Format

An object of class integer of length 1.

HBFLAB *C-HLI constant* HBFLAB

Description

C-HLI constant HBFLAB

Usage

```
HBFLAB
```

Format

An object of class integer of length 1.

HBFLAG *C-HLI constant* HBFLAG

Description

C-HLI constant HBFLAG

Usage

```
HBFLAG
```

Format

An object of class `integer` of length 1.

HBFMON *C-HLI constant* HBFMON

Description

C-HLI constant HBFMON

Usage

```
HBFMON
```

Format

An object of class `integer` of length 1.

HBFREQ *C-HLI constant* HBFREQ

Description

C-HLI constant HBFREQ

Usage

```
HBFREQ
```

Format

An object of class `integer` of length 1.

HBFRI *C-HLI constant* HBFRI

Description

C-HLI constant HBFRI

Usage

```
HBFRI
```

Format

An object of class integer of length 1.

HBFUNC *C-HLI constant* HBFUNC

Description

C-HLI constant HBFUNC

Usage

```
HBFUNC
```

Format

An object of class integer of length 1.

HBGLNM *C-HLI constant* HBGLNM

Description

C-HLI constant HBGLNM

Usage

```
HBGLNM
```

Format

An object of class integer of length 1.

HBGROW *C-HLI constant* HBGROW

Description

C-HLI constant HBGROW

Usage

```
HBGROW
```

Format

An object of class integer of length 1.

HBGRP *C-HLI constant* HBGRP

Description

C-HLI constant HBGRP

Usage

```
HBGRP
```

Format

An object of class integer of length 1.

HBIMON *C-HLI constant* HBIMON

Description

C-HLI constant HBIMON

Usage

```
HBIMON
```

Format

An object of class integer of length 1.

HBINDX *C-HLI constant* HBINDX

Description

C-HLI constant HBINDX

Usage

```
HBINDX
```

Format

An object of class integer of length 1.

HBKEY *C-HLI constant* HBKEY

Description

C-HLI constant HBKEY

Usage

```
HBKEY
```

Format

An object of class integer of length 1.

HBLEN *C-HLI constant* HBLEN

Description

C-HLI constant HBLEN

Usage

```
HBLEN
```

Format

An object of class integer of length 1.

HBMISS *C-HLI constant* HBMISS

Description

C-HLI constant HBMISS

Usage

```
HBMISS
```

Format

An object of class integer of length 1.

HBMNOV *C-HLI constant* HBMNOV

Description

C-HLI constant HBMNOV

Usage

```
HBMNOV
```

Format

An object of class integer of length 1.

HBMODE *C-HLI constant* HBMODE

Description

C-HLI constant HBMODE

Usage

```
HBMODE
```

Format

An object of class integer of length 1.

HBMON *C-HLI constant* HBMON

Description

C-HLI constant HBMON

Usage

```
HBMON
```

Format

An object of class `integer` of length 1.

HBMONT *C-HLI constant* HBMONT

Description

C-HLI constant HBMONT

Usage

```
HBMONT
```

Format

An object of class `integer` of length 1.

HBNCHR *C-HLI constant* HBNCHR

Description

C-HLI constant HBNCHR

Usage

```
HBNCHR
```

Format

An object of class `integer` of length 1.

HBNRNG *C-HLI constant* HBNRNG

Description

C-HLI constant HBNRNG

Usage

```
HBNRNG
```

Format

An object of class `integer` of length 1.

HBOBJT *C-HLI constant* HBOBJT

Description

C-HLI constant HBOBJT

Usage

```
HBOBJT
```

Format

An object of class `integer` of length 1.

HBOBSV *C-HLI constant* HBOBSV

Description

C-HLI constant HBOBSV

Usage

```
HBOBSV
```

Format

An object of class `integer` of length 1.

HBOOLN *C-HLI constant* HBOOLN

Description

C-HLI constant HBOOLN

Usage

```
HBOOLN
```

Format

An object of class `integer` of length 1.

HBOPT *C-HLI constant* HBOPT

Description

C-HLI constant HBOPT

Usage

```
HBOPT
```

Format

An object of class `integer` of length 1.

HBOPTV *C-HLI constant* HBOPTV

Description

C-HLI constant HBOPTV

Usage

```
HBOPTV
```

Format

An object of class `integer` of length 1.

HBPER *C-HLI constant* HBPER

Description

C-HLI constant HBPER

Usage

```
HBPER
```

Format

An object of class `integer` of length 1.

HBPHAS *C-HLI constant* HBPHAS

Description

C-HLI constant HBPHAS

Usage

```
HBPHAS
```

Format

An object of class `integer` of length 1.

HBPROD *C-HLI constant* HBPROD

Description

C-HLI constant HBPROD

Usage

```
HBPROD
```

Format

An object of class `integer` of length 1.

HBPRSP *C-HLI constant* HBPRSP

Description

C-HLI constant HBPRSP

Usage

```
HBPRSP
```

Format

An object of class `integer` of length 1.

HBREL *C-HLI constant* HBREL

Description

C-HLI constant HBREL

Usage

```
HBREL
```

Format

An object of class `integer` of length 1.

HBRNG *C-HLI constant* HBRNG

Description

C-HLI constant HBRNG

Usage

```
HBRNG
```

Format

An object of class `integer` of length 1.

HBSAT *C-HLI constant* HBSAT

Description

C-HLI constant HBSAT

Usage

```
HBSAT
```

Format

An object of class integer of length 1.

HBSBUS *C-HLI constant* HBSBUS

Description

C-HLI constant HBSBUS

Usage

```
HBSBUS
```

Format

An object of class integer of length 1.

HBSDAY *C-HLI constant* HBSDAY

Description

C-HLI constant HBSDAY

Usage

```
HBSDAY
```

Format

An object of class integer of length 1.

HBSEL *C-HLI constant* HBSEL

Description

C-HLI constant HBSEL

Usage

```
HBSEL
```

Format

An object of class `integer` of length 1.

HBSRNG *C-HLI constant* HBSRNG

Description

C-HLI constant HBSRNG

Usage

```
HBSRNG
```

Format

An object of class `integer` of length 1.

HBSRVR *C-HLI constant* HBSRVR

Description

C-HLI constant HBSRVR

Usage

```
HBSRVR
```

Format

An object of class `integer` of length 1.

HBSUN *C-HLI constant* HBSUN

Description

C-HLI constant HBSUN

Usage

```
HBSUN
```

Format

An object of class `integer` of length 1.

HBSUND *C-HLI constant* HBSUND

Description

C-HLI constant HBSUND

Usage

```
HBSUND
```

Format

An object of class `integer` of length 1.

HBTHU *C-HLI constant* HBTHU

Description

C-HLI constant HBTHU

Usage

```
HBTHU
```

Format

An object of class `integer` of length 1.

HBTIME *C-HLI constant* HBTIME

Description

C-HLI constant HBTIME

Usage

```
HBTIME
```

Format

An object of class integer of length 1.

HBTUE *C-HLI constant* HBTUE

Description

C-HLI constant HBTUE

Usage

```
HBTUE
```

Format

An object of class integer of length 1.

HBTYPE *C-HLI constant* HBTYPE

Description

C-HLI constant HBTYPE

Usage

```
HBTYPE
```

Format

An object of class integer of length 1.

HBUNIT *C-HLI constant* HBUNIT

Description

C-HLI constant HBUNIT

Usage

```
HBUNIT
```

Format

An object of class `integer` of length 1.

HBUSER *C-HLI constant* HBUSER

Description

C-HLI constant HBUSER

Usage

```
HBUSER
```

Format

An object of class `integer` of length 1.

HBUSNS *C-HLI constant* HBUSNS

Description

C-HLI constant HBUSNS

Usage

```
HBUSNS
```

Format

An object of class `integer` of length 1.

HBV3DATE *C-HLI constant* HBV3DATE

Description

C-HLI constant HBV3DATE

Usage

```
HBV3DATE
```

Format

An object of class `integer` of length 1.

HBV3RANGE *C-HLI constant* HBV3RANGE

Description

C-HLI constant HBV3RANGE

Usage

```
HBV3RANGE
```

Format

An object of class `integer` of length 1.

HBV3TYPE *C-HLI constant* HBV3TYPE

Description

C-HLI constant HBV3TYPE

Usage

```
HBV3TYPE
```

Format

An object of class `integer` of length 1.

HBVER *C-HLI constant* HBVER

Description

C-HLI constant HBVER

Usage

```
HBVER
```

Format

An object of class `integer` of length 1.

HBWED *C-HLI constant* HBWED

Description

C-HLI constant HBWED

Usage

```
HBWED
```

Format

An object of class `integer` of length 1.

HBYEAR *C-HLI constant* HBYEAR

Description

C-HLI constant HBYEAR

Usage

```
HBYEAR
```

Format

An object of class `integer` of length 1.

HCASEX *C-HLI constant* HCASEX

Description

C-HLI constant HCASEX

Usage

```
HCASEX
```

Format

An object of class `integer` of length 1.

HCEXI *C-HLI constant* HCEXI

Description

C-HLI constant HCEXI

Usage

```
HCEXI
```

Format

An object of class `integer` of length 1.

HCHANL *C-HLI constant* HCHANL

Description

C-HLI constant HCHANL

Usage

```
HCHANL
```

Format

An object of class `integer` of length 1.

HCHGAC *C-HLI constant* HCHGAC

Description

C-HLI constant HCHGAC

Usage

```
HCHGAC
```

Format

An object of class `integer` of length 1.

HCLCHN *C-HLI constant* HCLCHN

Description

C-HLI constant HCLCHN

Usage

```
HCLCHN
```

Format

An object of class `integer` of length 1.

HCLNLM *C-HLI constant* HCLNLM

Description

C-HLI constant HCLNLM

Usage

```
HCLNLM
```

Format

An object of class `integer` of length 1.

HCLNT *C-HLI constant* HCLNT

Description

C-HLI constant HCLNT

Usage

```
HCLNT
```

Format

An object of class `integer` of length 1.

HCMODE *C-HLI constant* HCMODE

Description

C-HLI constant HCMODE

Usage

```
HCMODE
```

Format

An object of class `integer` of length 1.

HCONT *C-HLI constant* HCONT

Description

C-HLI constant HCONT

Usage

```
HCONT
```

Format

An object of class `integer` of length 1.

HCVTDB *C-HLI constant* HCVTDB

Description

C-HLI constant HCVTDB

Usage

```
HCVTDB
```

Format

An object of class integer of length 1.

HDAILY *C-HLI constant* HDAILY

Description

C-HLI constant HDAILY

Usage

```
HDAILY
```

Format

An object of class integer of length 1.

HDATE *C-HLI constant* HDATE

Description

C-HLI constant HDATE

Usage

```
HDATE
```

Format

An object of class integer of length 1.

HDBCLM *C-HLI constant* HDBCLM

Description

C-HLI constant HDBCLM

Usage

```
HDBCLM
```

Format

An object of class `integer` of length 1.

HDEC *C-HLI constant* HDEC

Description

C-HLI constant HDEC

Usage

```
HDEC
```

Format

An object of class `integer` of length 1.

HDHOST *C-HLI constant* HDHOST

Description

C-HLI constant HDHOST

Usage

```
HDHOST
```

Format

An object of class `integer` of length 1.

HDMODE *C-HLI constant* HDMODE

Description

C-HLI constant HDMODE

Usage

```
HDMODE
```

Format

An object of class `integer` of length 1.

HDPRMC *C-HLI constant* HDPRMC

Description

C-HLI constant HDPRMC

Usage

```
HDPRMC
```

Format

An object of class `integer` of length 1.

HDUP *C-HLI constant* HDUP

Description

C-HLI constant HDUP

Usage

```
HDUP
```

Format

An object of class `integer` of length 1.

HDUTAR *C-HLI constant* HDUTAR

Description

C-HLI constant HDUTAR

Usage

```
HDUTAR
```

Format

An object of class integer of length 1.

HEND *C-HLI constant* HEND

Description

C-HLI constant HEND

Usage

```
HEND
```

Format

An object of class integer of length 1.

HEXPIR *C-HLI constant* HEXPIR

Description

C-HLI constant HEXPIR

Usage

```
HEXPIR
```

Format

An object of class integer of length 1.

HFAMER *C-HLI constant* HFAMER

Description

C-HLI constant HFAMER

Usage

```
HFAMER
```

Format

An object of class integer of length 1.

HFEB *C-HLI constant* HFEB

Description

C-HLI constant HFEB

Usage

```
HFEB
```

Format

An object of class integer of length 1.

HFIN *C-HLI constant* HFIN

Description

C-HLI constant HFIN

Usage

```
HFIN
```

Format

An object of class integer of length 1.

HFMENV *C-HLI constant* HFMENV

Description

C-HLI constant HFMENV

Usage

```
HFMENV
```

Format

An object of class integer of length 1.

HFRI *C-HLI constant* HFRI

Description

C-HLI constant HFRI

Usage

```
HFRI
```

Format

An object of class integer of length 1.

HFRMLA *C-HLI constant* HFRMLA

Description

C-HLI constant HFRMLA

Usage

```
HFRMLA
```

Format

An object of class integer of length 1.

HFRMSYNTAXERR *C-HLI constant* HFRMSYNTAXERR

Description

C-HLI constant HFRMSYNTAXERR

Usage

```
HFRMSYNTAXERR
```

Format

An object of class integer of length 1.

HFTOUT *C-HLI constant* HFTOUT

Description

C-HLI constant HFTOUT

Usage

```
HFTOUT
```

Format

An object of class integer of length 1.

HFUSE *C-HLI constant* HFUSE

Description

C-HLI constant HFUSE

Usage

```
HFUSE
```

Format

An object of class integer of length 1.

HFUTURE_TYPE *C-HLI constant* HFUTURE_TYPE

Description

C-HLI constant HFUTURE_TYPE

Usage

```
HFUTURE_TYPE
```

Format

An object of class `integer` of length 1.

HFYAPR *C-HLI constant* HFYAPR

Description

C-HLI constant HFYAPR

Usage

```
HFYAPR
```

Format

An object of class `integer` of length 1.

HFYAUG *C-HLI constant* HFYAUG

Description

C-HLI constant HFYAUG

Usage

```
HFYAUG
```

Format

An object of class `integer` of length 1.

HFYAUT *C-HLI constant* HFYAUT

Description

C-HLI constant HFYAUT

Usage

```
HFYAUT
```

Format

An object of class integer of length 1.

HFYDEC *C-HLI constant* HFYDEC

Description

C-HLI constant HFYDEC

Usage

```
HFYDEC
```

Format

An object of class integer of length 1.

HFYFEB *C-HLI constant* HFYFEB

Description

C-HLI constant HFYFEB

Usage

```
HFYFEB
```

Format

An object of class integer of length 1.

HFYFST *C-HLI constant* HFYFST

Description

C-HLI constant HFYFST

Usage

```
HFYFST
```

Format

An object of class integer of length 1.

HFYJAN *C-HLI constant* HFYJAN

Description

C-HLI constant HFYJAN

Usage

```
HFYJAN
```

Format

An object of class integer of length 1.

HFYJUL *C-HLI constant* HFYJUL

Description

C-HLI constant HFYJUL

Usage

```
HFYJUL
```

Format

An object of class integer of length 1.

HFYJUN *C-HLI constant* HFYJUN

Description

C-HLI constant HFYJUN

Usage

```
HFYJUN
```

Format

An object of class integer of length 1.

HFYLST *C-HLI constant* HFYLST

Description

C-HLI constant HFYLST

Usage

```
HFYLST
```

Format

An object of class integer of length 1.

HFYMAR *C-HLI constant* HFYMAR

Description

C-HLI constant HFYMAR

Usage

```
HFYMAR
```

Format

An object of class integer of length 1.

HFYMAY *C-HLI constant* HFYMAY

Description

C-HLI constant HFYMAY

Usage

```
HFYMAY
```

Format

An object of class integer of length 1.

HFYNOV *C-HLI constant* HFYNOV

Description

C-HLI constant HFYNOV

Usage

```
HFYNOV
```

Format

An object of class integer of length 1.

HFYOCT *C-HLI constant* HFYOCT

Description

C-HLI constant HFYOCT

Usage

```
HFYOCT
```

Format

An object of class integer of length 1.

HFYSEP *C-HLI constant* HFYSEP

Description

C-HLI constant HFYSEP

Usage

```
HFYSEP
```

Format

An object of class `integer` of length 1.

HGLFOR *C-HLI constant* HGLFOR

Description

C-HLI constant HGLFOR

Usage

```
HGLFOR
```

Format

An object of class `integer` of length 1.

HGLNAM *C-HLI constant* HGLNAM

Description

C-HLI constant HGLNAM

Usage

```
HGLNAM
```

Format

An object of class `integer` of length 1.

HHOUR *C-HLI constant* HHOUR

Description

C-HLI constant HHOUR

Usage

```
HHOUR
```

Format

An object of class integer of length 1.

HIFAIL *C-HLI constant* HIFAIL

Description

C-HLI constant HIFAIL

Usage

```
HIFAIL
```

Format

An object of class integer of length 1.

HINITD *C-HLI constant* HINITD

Description

C-HLI constant HINITD

Usage

```
HINITD
```

Format

An object of class integer of length 1.

HINTVL *C-HLI constant* HINTVL

Description

C-HLI constant HINTVL

Usage

```
HINTVL
```

Format

An object of class integer of length 1.

HINUSE *C-HLI constant* HINUSE

Description

C-HLI constant HINUSE

Usage

```
HINUSE
```

Format

An object of class integer of length 1.

HJAN *C-HLI constant* HJAN

Description

C-HLI constant HJAN

Usage

```
HJAN
```

Format

An object of class integer of length 1.

HJUL *C-HLI constant* HJUL

Description

C-HLI constant HJUL

Usage

```
HJUL
```

Format

An object of class integer of length 1.

HJUN *C-HLI constant* HJUN

Description

C-HLI constant HJUN

Usage

```
HJUN
```

Format

An object of class integer of length 1.

HLICFL *C-HLI constant* HLICFL

Description

C-HLI constant HLICFL

Usage

```
HLICFL
```

Format

An object of class integer of length 1.

HLICNS *C-HLI constant* HLICNS

Description

C-HLI constant HLICNS

Usage

```
HLICNS
```

Format

An object of class integer of length 1.

HLI_MAX_FAME_CMD *C-HLI constant* HLI_MAX_FAME_CMD

Description

C-HLI constant HLI_MAX_FAME_CMD

Usage

```
HLI_MAX_FAME_CMD
```

Format

An object of class integer of length 1.

HLI_MAX_FAME_INPUT *C-HLI constant* HLI_MAX_FAME_INPUT

Description

C-HLI constant HLI_MAX_FAME_INPUT

Usage

```
HLI_MAX_FAME_INPUT
```

Format

An object of class integer of length 1.

HLI_MAX_FAME_INPUT_SIZE *C-HLI constant* HLI_MAX_FAME_INPUT_SIZE

Description

C-HLI constant HLI_MAX_FAME_INPUT_SIZE

Usage

```
HLI_MAX_FAME_INPUT_SIZE
```

Format

An object of class integer of length 1.

HLI_MAX_STR_LEN *C-HLI constant* HLI_MAX_STR_LEN

Description

C-HLI constant HLI_MAX_STR_LEN

Usage

```
HLI_MAX_STR_LEN
```

Format

An object of class integer of length 1.

HLOCKD *C-HLI constant* HLOCKD

Description

C-HLI constant HLOCKD

Usage

```
HLOCKD
```

Format

An object of class integer of length 1.

HLRESV *C-HLI constant* HLRESV

Description

C-HLI constant HLRESV

Usage

```
HLRESV
```

Format

An object of class integer of length 1.

HLSERV *C-HLI constant* HLSERV

Description

C-HLI constant HLSERV

Usage

```
HLSERV
```

Format

An object of class integer of length 1.

HMAR *C-HLI constant* HMAR

Description

C-HLI constant HMAR

Usage

```
HMAR
```

Format

An object of class integer of length 1.

HMAXDB *C-HLI constant* HMAXDB

Description

C-HLI constant HMAXDB

Usage

```
HMAXDB
```

Format

An object of class integer of length 1.

HMAXSCMD *C-HLI constant* HMAXSCMD

Description

C-HLI constant HMAXSCMD

Usage

```
HMAXSCMD
```

Format

An object of class integer of length 1.

HMAY *C-HLI constant* HMAY

Description

C-HLI constant HMAY

Usage

```
HMAY
```

Format

An object of class integer of length 1.

HMFILE *C-HLI constant* HMFILE

Description

C-HLI constant HMFILE

Usage

```
HMFILE
```

Format

An object of class integer of length 1.

HMGVAL *C-HLI constant* HMGVAL

Description

C-HLI constant HMGVAL

Usage

```
HMGVAL
```

Format

An object of class integer of length 1.

HMIN *C-HLI constant* HMIN

Description

C-HLI constant HMIN

Usage

```
HMIN
```

Format

An object of class integer of length 1.

HMON *C-HLI constant* HMON

Description

C-HLI constant HMON

Usage

```
HMON
```

Format

An object of class integer of length 1.

HMONTH *C-HLI constant* HMONTH

Description

C-HLI constant HMONTH

Usage

```
HMONTH
```

Format

An object of class integer of length 1.

HMPOST *C-HLI constant* HMPOST

Description

C-HLI constant HMPOST

Usage

```
HMPOST
```

Format

An object of class integer of length 1.

HMSEC *C-HLI constant* HMSEC

Description

C-HLI constant HMSEC

Usage

```
HMSEC
```

Format

An object of class `integer` of length 1.

HNAMEL *C-HLI constant* HNAMEL

Description

C-HLI constant HNAMEL

Usage

```
HNAMEL
```

Format

An object of class `integer` of length 1.

HNAMLEN *C-HLI constant* HNAMLEN

Description

C-HLI constant HNAMLEN

Usage

```
HNAMLEN
```

Format

An object of class `integer` of length 1.

HNAMLEN_V3 *C-HLI constant* HNAMLEN_V3

Description

C-HLI constant HNAMLEN_V3

Usage

```
HNAMLEN_V3
```

Format

An object of class integer of length 1.

HNAMLEN_V4 *C-HLI constant* HNAMLEN_V4

Description

C-HLI constant HNAMLEN_V4

Usage

```
HNAMLEN_V4
```

Format

An object of class integer of length 1.

HNAMSIZ *C-HLI constant* HNAMSIZ

Description

C-HLI constant HNAMSIZ

Usage

```
HNAMSIZ
```

Format

An object of class integer of length 1.

HNAVAL *C-HLI constant* HNAVAL

Description

C-HLI constant HNAVAL

Usage

```
HNAVAL
```

Format

An object of class `integer` of length 1.

HNBACK *C-HLI constant* HNBACK

Description

C-HLI constant HNBACK

Usage

```
HNBACK
```

Format

An object of class `integer` of length 1.

HNCONN *C-HLI constant* HNCONN

Description

C-HLI constant HNCONN

Usage

```
HNCONN
```

Format

An object of class `integer` of length 1.

HNCVAL *C-HLI constant* HNCVAL

Description

C-HLI constant HNCVAL

Usage

```
HNCVAL
```

Format

An object of class `integer` of length 1.

HNDVAL *C-HLI constant* HNDVAL

Description

C-HLI constant HNDVAL

Usage

```
HNDVAL
```

Format

An object of class `integer` of length 1.

HNEMPT *C-HLI constant* HNEMPT

Description

C-HLI constant HNEMPT

Usage

```
HNEMPT
```

Format

An object of class `integer` of length 1.

HNETCN *C-HLI constant* HNETCN

Description

C-HLI constant HNETCN

Usage

```
HNETCN
```

Format

An object of class integer of length 1.

HNFAME *C-HLI constant* HNFAME

Description

C-HLI constant HNFAME

Usage

```
HNFAME
```

Format

An object of class integer of length 1.

HNFILE *C-HLI constant* HNFILE

Description

C-HLI constant HNFILE

Usage

```
HNFILE
```

Format

An object of class integer of length 1.

HNFMDB *C-HLI constant* HNFMDB

Description

C-HLI constant HNFMDB

Usage

```
HNFMDB
```

Format

An object of class integer of length 1.

HNFSRCLONG *C-HLI constant* HNFSRCLONG

Description

C-HLI constant HNFSRCLONG

Usage

```
HNFSRCLONG
```

Format

An object of class integer of length 1.

HNINIT *C-HLI constant* HNINIT

Description

C-HLI constant HNINIT

Usage

```
HNINIT
```

Format

An object of class integer of length 1.

HNLALL *C-HLI constant* HNLALL

Description

C-HLI constant HNLALL

Usage

```
HNLALL
```

Format

An object of class integer of length 1.

HNLOCL *C-HLI constant* HNLOCL

Description

C-HLI constant HNLOCL

Usage

```
HNLOCL
```

Format

An object of class integer of length 1.

HNMCA *C-HLI constant* HNMCA

Description

C-HLI constant HNMCA

Usage

```
HNMCA
```

Format

An object of class integer of length 1.

HNMVAL *C-HLI constant* HNMVAL

Description

C-HLI constant HNMVAL

Usage

```
HNMVAL
```

Format

An object of class integer of length 1.

HNO *C-HLI constant* HNO

Description

C-HLI constant HNO

Usage

```
HNO
```

Format

An object of class integer of length 1.

HNOFORMV3 *C-HLI constant* HNOFORMV3

Description

C-HLI constant HNOFORMV3

Usage

```
HNOFORMV3
```

Format

An object of class integer of length 1.

HNOMAP *C-HLI constant* HNOMAP

Description

C-HLI constant HNOMAP

Usage

```
HNOMAP
```

Format

An object of class `integer` of length 1.

HNOMEM *C-HLI constant* HNOMEM

Description

C-HLI constant HNOMEM

Usage

```
HNOMEM
```

Format

An object of class `integer` of length 1.

HNOOBJ *C-HLI constant* HNOOBJ

Description

C-HLI constant HNOOBJ

Usage

```
HNOOBJ
```

Format

An object of class `integer` of length 1.

HNOV *C-HLI constant* HNOV

Description

C-HLI constant HNOV

Usage

```
HNOV
```

Format

An object of class integer of length 1.

HNPOST *C-HLI constant* HNPOST

Description

C-HLI constant HNPOST

Usage

```
HNPOST
```

Format

An object of class integer of length 1.

HNRESW *C-HLI constant* HNRESW

Description

C-HLI constant HNRESW

Usage

```
HNRESW
```

Format

An object of class integer of length 1.

HNSUPDB *C-HLI constant* HNSUPDB

Description

C-HLI constant HNSUPDB

Usage

```
HNSUPDB
```

Format

An object of class `integer` of length 1.

HNSUPP *C-HLI constant* HNSUPP

Description

C-HLI constant HNSUPP

Usage

```
HNSUPP
```

Format

An object of class `integer` of length 1.

HNTMIS *C-HLI constant* HNTMIS

Description

C-HLI constant HNTMIS

Usage

```
HNTMIS
```

Format

An object of class `integer` of length 1.

HNTOOLONG *C-HLI constant* HNTOOLONG

Description

C-HLI constant HNTOOLONG

Usage

```
HNTOOLONG
```

Format

An object of class `integer` of length 1.

HNTSAFE *C-HLI constant* HNTSAFE

Description

C-HLI constant HNTSAFE

Usage

```
HNTSAFE
```

Format

An object of class `integer` of length 1.

HNTWIC *C-HLI constant* HNTWIC

Description

C-HLI constant HNTWIC

Usage

```
HNTWIC
```

Format

An object of class `integer` of length 1.

HNUFRD *C-HLI constant* HNUFRD

Description

C-HLI constant HNUFRD

Usage

```
HNUFRD
```

Format

An object of class `integer` of length 1.

HNULLP *C-HLI constant* HNULLP

Description

C-HLI constant HNULLP

Usage

```
HNULLP
```

Format

An object of class `integer` of length 1.

HNUMRC *C-HLI constant* HNUMRC

Description

C-HLI constant HNUMRC

Usage

```
HNUMRC
```

Format

An object of class `integer` of length 1.

HNWFEA *C-HLI constant* HNWFEA

Description

C-HLI constant HNWFEA

Usage

```
HNWFEA
```

Format

An object of class `integer` of length 1.

HNWILD *C-HLI constant* HNWILD

Description

C-HLI constant HNWILD

Usage

```
HNWILD
```

Format

An object of class `integer` of length 1.

HOBANN *C-HLI constant* HOBANN

Description

C-HLI constant HOBANN

Usage

```
HOBANN
```

Format

An object of class `integer` of length 1.

HOBAVG *C-HLI constant* HOBAVG

Description

C-HLI constant HOBAVG

Usage

```
HOBAVG
```

Format

An object of class `integer` of length 1.

HOBBEG *C-HLI constant* HOBBEG

Description

C-HLI constant HOBBEG

Usage

```
HOBBEG
```

Format

An object of class `integer` of length 1.

HOBEND *C-HLI constant* HOBEND

Description

C-HLI constant HOBEND

Usage

```
HOBEND
```

Format

An object of class `integer` of length 1.

HOBFRM *C-HLI constant* HOBFRM

Description

C-HLI constant HOBFRM

Usage

```
HOBFRM
```

Format

An object of class integer of length 1.

HOBHI *C-HLI constant* HOBHI

Description

C-HLI constant HOBHI

Usage

```
HOBHI
```

Format

An object of class integer of length 1.

HOBJSIZE *C-HLI constant* HOBJSIZE

Description

C-HLI constant HOBJSIZE

Usage

```
HOBJSIZE
```

Format

An object of class integer of length 1.

HOBLO *C-HLI constant* HOBLO

Description

C-HLI constant HOBLO

Usage

```
HOBLO
```

Format

An object of class integer of length 1.

HOBSFUNC *C-HLI constant* HOBSFUNC

Description

C-HLI constant HOBSFUNC

Usage

```
HOBSFUNC
```

Format

An object of class integer of length 1.

HOBSUM *C-HLI constant* HOBSUM

Description

C-HLI constant HOBSUM

Usage

```
HOBSUM
```

Format

An object of class integer of length 1.

HOBUND *C-HLI constant* HOBUND

Description

C-HLI constant HOBUND

Usage

```
HOBUND
```

Format

An object of class integer of length 1.

HOCT *C-HLI constant* HOCT

Description

C-HLI constant HOCT

Usage

```
HOCT
```

Format

An object of class integer of length 1.

HOEXI *C-HLI constant* HOEXI

Description

C-HLI constant HOEXI

Usage

```
HOEXI
```

Format

An object of class integer of length 1.

HOLDDB *C-HLI constant* HOLDDB

Description

C-HLI constant HOLDDB

Usage

```
HOLDDB
```

Format

An object of class `integer` of length 1.

HOMODE *C-HLI constant* HOMODE

Description

C-HLI constant HOMODE

Usage

```
HOMODE
```

Format

An object of class `integer` of length 1.

HOPEND *C-HLI constant* HOPEND

Description

C-HLI constant HOPEND

Usage

```
HOPEND
```

Format

An object of class `integer` of length 1.

HOPENW *C-HLI constant* HOPENW

Description

C-HLI constant HOPENW

Usage

```
HOPENW
```

Format

An object of class integer of length 1.

HP1REQ *C-HLI constant* HP1REQ

Description

C-HLI constant HP1REQ

Usage

```
HP1REQ
```

Format

An object of class integer of length 1.

HP2REQ *C-HLI constant* HP2REQ

Description

C-HLI constant HP2REQ

Usage

```
HP2REQ
```

Format

An object of class integer of length 1.

HPACK *C-HLI constant* HPACK

Description

C-HLI constant HPACK

Usage

```
HPACK
```

Format

An object of class `integer` of length 1.

HPRECN *C-HLI constant* HPRECN

Description

C-HLI constant HPRECN

Usage

```
HPRECN
```

Format

An object of class `integer` of length 1.

HPWWOU *C-HLI constant* HPWWOU

Description

C-HLI constant HPWWOU

Usage

```
HPWWOU
```

Format

An object of class `integer` of length 1.

HQTDEC *C-HLI constant* HQTDEC

Description

C-HLI constant HQTDEC

Usage

```
HQTDEC
```

Format

An object of class integer of length 1.

HQTNOV *C-HLI constant* HQTNOV

Description

C-HLI constant HQTNOV

Usage

```
HQTNOV
```

Format

An object of class integer of length 1.

HQTOCT *C-HLI constant* HQTOCT

Description

C-HLI constant HQTOCT

Usage

```
HQTOCT
```

Format

An object of class integer of length 1.

HQUOTA *C-HLI constant* HQUOTA

Description

C-HLI constant HQUOTA

Usage

```
HQUOTA
```

Format

An object of class integer of length 1.

HRDISTRANS *C-HLI constant* HRDISTRANS

Description

C-HLI constant HRDISTRANS

Usage

```
HRDISTRANS
```

Format

An object of class integer of length 1.

HREAD *C-HLI constant* HREAD

Description

C-HLI constant HREAD

Usage

```
HREAD
```

Format

An object of class integer of length 1.

HREADO *C-HLI constant* HREADO

Description

C-HLI constant HREADO

Usage

```
HREADO
```

Format

An object of class integer of length 1.

HREMSUP *C-HLI constant* HREMSUP

Description

C-HLI constant HREMSUP

Usage

```
HREMSUP
```

Format

An object of class integer of length 1.

HRESFD *C-HLI constant* HRESFD

Description

C-HLI constant HRESFD

Usage

```
HRESFD
```

Format

An object of class integer of length 1.

HRHANDINV *C-HLI constant* HRHANDINV

Description

C-HLI constant HRHANDINV

Usage

```
HRHANDINV
```

Format

An object of class integer of length 1.

HRKEYINV *C-HLI constant* HRKEYINV

Description

C-HLI constant HRKEYINV

Usage

```
HRKEYINV
```

Format

An object of class integer of length 1.

HRMKEY *C-HLI constant* HRMKEY

Description

C-HLI constant HRMKEY

Usage

```
HRMKEY
```

Format

An object of class integer of length 1.

HRMODE *C-HLI constant* HRMODE

Description

C-HLI constant HRMODE

Usage

```
HRMODE
```

Format

An object of class integer of length 1.

HRMTDB *C-HLI constant* HRMTDB

Description

C-HLI constant HRMTDB

Usage

```
HRMTDB
```

Format

An object of class integer of length 1.

HRNEXI *C-HLI constant* HRNEXI

Description

C-HLI constant HRNEXI

Usage

```
HRNEXI
```

Format

An object of class integer of length 1.

HROSCONN *C-HLI constant* HROSCONN

Description

C-HLI constant HROSCONN

Usage

```
HROSCONN
```

Format

An object of class integer of length 1.

HROSTRANS *C-HLI constant* HROSTRANS

Description

C-HLI constant HROSTRANS

Usage

```
HROSTRANS
```

Format

An object of class integer of length 1.

HRUSERINV *C-HLI constant* HRUSERINV

Description

C-HLI constant HRUSERINV

Usage

```
HRUSERINV
```

Format

An object of class integer of length 1.

HSAT *C-HLI constant* HSAT

Description

C-HLI constant HSAT

Usage

```
HSAT
```

Format

An object of class integer of length 1.

HSCALA *C-HLI constant* HSCALA

Description

C-HLI constant HSCALA

Usage

```
HSCALA
```

Format

An object of class integer of length 1.

HSCLLM *C-HLI constant* HSCLLM

Description

C-HLI constant HSCLLM

Usage

```
HSCLLM
```

Format

An object of class integer of length 1.

HSEC *C-HLI constant* HSEC

Description

C-HLI constant HSEC

Usage

```
HSEC
```

Format

An object of class integer of length 1.

HSEP *C-HLI constant* HSEP

Description

C-HLI constant HSEP

Usage

```
HSEP
```

Format

An object of class integer of length 1.

HSERIE *C-HLI constant* HSERIE

Description

C-HLI constant HSERIE

Usage

```
HSERIE
```

Format

An object of class integer of length 1.

HSERVR *C-HLI constant* HSERVR

Description

C-HLI constant HSERVR

Usage

```
HSERVR
```

Format

An object of class `integer` of length 1.

HSMAUG *C-HLI constant* HSMAUG

Description

C-HLI constant HSMAUG

Usage

```
HSMAUG
```

Format

An object of class `integer` of length 1.

HSMDEC *C-HLI constant* HSMDEC

Description

C-HLI constant HSMDEC

Usage

```
HSMDEC
```

Format

An object of class `integer` of length 1.

HSMFIL *C-HLI constant* HSMFIL

Description

C-HLI constant HSMFIL

Usage

```
HSMFIL
```

Format

An object of class integer of length 1.

HSMJUL *C-HLI constant* HSMJUL

Description

C-HLI constant HSMJUL

Usage

```
HSMJUL
```

Format

An object of class integer of length 1.

HSMLEN *C-HLI constant* HSMLEN

Description

C-HLI constant HSMLEN

Usage

```
HSMLEN
```

Format

An object of class integer of length 1.

HSMNOV *C-HLI constant* HSMNOV

Description

C-HLI constant HSMNOV

Usage

```
HSMNOV
```

Format

An object of class integer of length 1.

HSMOCT *C-HLI constant* HSMOCT

Description

C-HLI constant HSMOCT

Usage

```
HSMOCT
```

Format

An object of class integer of length 1.

HSMODE *C-HLI constant* HSMODE

Description

C-HLI constant HSMODE

Usage

```
HSMODE
```

Format

An object of class integer of length 1.

HSMSEP *C-HLI constant* HSMSEP

Description

C-HLI constant HSMSEP

Usage

```
HSMSEP
```

Format

An object of class integer of length 1.

HSNFIL *C-HLI constant* HSNFIL

Description

C-HLI constant HSNFIL

Usage

```
HSNFIL
```

Format

An object of class integer of length 1.

HSPCDB *C-HLI constant* HSPCDB

Description

C-HLI constant HSPCDB

Usage

```
HSPCDB
```

Format

An object of class integer of length 1.

HSRVST *C-HLI constant* HSRVST

Description

C-HLI constant HSRVST

Usage

```
HSRVST
```

Format

An object of class integer of length 1.

HSTRNG *C-HLI constant* HSTRNG

Description

C-HLI constant HSTRNG

Usage

```
HSTRNG
```

Format

An object of class integer of length 1.

HSUCC *C-HLI constant* HSUCC

Description

C-HLI constant HSUCC

Usage

```
HSUCC
```

Format

An object of class integer of length 1.

Examples

```
status <- Integer(-1L)
cfmini(status)
if(status$value!=HSUCC){
  cat(sprintf("cfmini(status=%d)",status$value))
}
```

HSUN *C-HLI constant* HSUN

Description

C-HLI constant HSUN

Usage

```
HSUN
```

Format

An object of class `integer` of length 1.

HSUSPN *C-HLI constant* HSUSPN

Description

C-HLI constant HSUSPN

Usage

```
HSUSPN
```

Format

An object of class `integer` of length 1.

HTENDA *C-HLI constant* HTENDA

Description

C-HLI constant HTENDA

Usage

```
HTENDA
```

Format

An object of class integer of length 1.

HTHU *C-HLI constant* HTHU

Description

C-HLI constant HTHU

Usage

```
HTHU
```

Format

An object of class integer of length 1.

HTMIS *C-HLI constant* HTMIS

Description

C-HLI constant HTMIS

Usage

```
HTMIS
```

Format

An object of class integer of length 1.

HTMOUT *C-HLI constant* HTMOUT

Description

C-HLI constant HTMOUT

Usage

```
HTMOUT
```

Format

An object of class integer of length 1.

HTRUNC *C-HLI constant* HTRUNC

Description

C-HLI constant HTRUNC

Usage

```
HTRUNC
```

Format

An object of class integer of length 1.

HTRUNCDB *C-HLI constant* HTRUNCDB

Description

C-HLI constant HTRUNCDB

Usage

```
HTRUNCDB
```

Format

An object of class integer of length 1.

HTUE *C-HLI constant* HTUE

Description

C-HLI constant HTUE

Usage

```
HTUE
```

Format

An object of class integer of length 1.

HTWICM *C-HLI constant* HTWICM

Description

C-HLI constant HTWICM

Usage

```
HTWICM
```

Format

An object of class integer of length 1.

HUMODE *C-HLI constant* HUMODE

Description

C-HLI constant HUMODE

Usage

```
HUMODE
```

Format

An object of class integer of length 1.

HUNCHG *C-HLI constant* HUNCHG

Description

C-HLI constant HUNCHG

Usage

```
HUNCHG
```

Format

An object of class `integer` of length 1.

HUNDFT *C-HLI constant* HUNDFT

Description

C-HLI constant HUNDFT

Usage

```
HUNDFT
```

Format

An object of class `integer` of length 1.

HUNDFX *C-HLI constant* HUNDFX

Description

C-HLI constant HUNDFX

Usage

```
HUNDFX
```

Format

An object of class `integer` of length 1.

HUNEXP *C-HLI constant* HUNEXP

Description

C-HLI constant HUNEXP

Usage

```
HUNEXP
```

Format

An object of class `integer` of length 1.

HUNSUPPORTED_FAME_VER *C-HLI constant* HUNSUPPORTED_FAME_VER

Description

C-HLI constant HUNSUPPORTED_FAME_VER

Usage

```
HUNSUPPORTED_FAME_VER
```

Format

An object of class `integer` of length 1.

HUPDRD *C-HLI constant* HUPDRD

Description

C-HLI constant HUPDRD

Usage

```
HUPDRD
```

Format

An object of class `integer` of length 1.

HUSRPWTOOLONG *C-HLI constant* HUSRPWTOOLONG

Description

C-HLI constant HUSRPWTOOLONG

Usage

```
HUSRPWTOOLONG
```

Format

An object of class `integer` of length 1.

HUTOOLONG *C-HLI constant* HUTOOLONG

Description

C-HLI constant HUTOOLONG

Usage

```
HUTOOLONG
```

Format

An object of class `integer` of length 1.

HWAFRI *C-HLI constant* HWAFRI

Description

C-HLI constant HWAFRI

Usage

```
HWAFRI
```

Format

An object of class `integer` of length 1.

HWAMON *C-HLI constant* HWAMON

Description

C-HLI constant HWAMON

Usage

```
HWAMON
```

Format

An object of class integer of length 1.

HWASAT *C-HLI constant* HWASAT

Description

C-HLI constant HWASAT

Usage

```
HWASAT
```

Format

An object of class integer of length 1.

HWASUN *C-HLI constant* HWASUN

Description

C-HLI constant HWASUN

Usage

```
HWASUN
```

Format

An object of class integer of length 1.

HWATHU *C-HLI constant* HWATHU

Description

C-HLI constant HWATHU

Usage

```
HWATHU
```

Format

An object of class integer of length 1.

HWATUE *C-HLI constant* HWATUE

Description

C-HLI constant HWATUE

Usage

```
HWATUE
```

Format

An object of class integer of length 1.

HWAWED *C-HLI constant* HWAWED

Description

C-HLI constant HWAWED

Usage

```
HWAWED
```

Format

An object of class integer of length 1.

HWBFRI *C-HLI constant* HWBFRI

Description

C-HLI constant HWBFRI

Usage

```
HWBFRI
```

Format

An object of class integer of length 1.

HWBMON *C-HLI constant* HWBMON

Description

C-HLI constant HWBMON

Usage

```
HWBMON
```

Format

An object of class integer of length 1.

HWBSAT *C-HLI constant* HWBSAT

Description

C-HLI constant HWBSAT

Usage

```
HWBSAT
```

Format

An object of class integer of length 1.

HWBSUN *C-HLI constant* HWBSUN

Description

C-HLI constant HWBSUN

Usage

```
HWBSUN
```

Format

An object of class `integer` of length 1.

HWBTHU *C-HLI constant* HWBTHU

Description

C-HLI constant HWBTHU

Usage

```
HWBTHU
```

Format

An object of class `integer` of length 1.

HWBTUE *C-HLI constant* HWBTUE

Description

C-HLI constant HWBTUE

Usage

```
HWBTUE
```

Format

An object of class `integer` of length 1.

HWBWED *C-HLI constant* HWBWED

Description

C-HLI constant HWBWED

Usage

```
HWBWED
```

Format

An object of class integer of length 1.

HWED *C-HLI constant* HWED

Description

C-HLI constant HWED

Usage

```
HWED
```

Format

An object of class integer of length 1.

HWEEK_PATTERN *C-HLI constant* HWEEK_PATTERN

Description

C-HLI constant HWEEK_PATTERN

Usage

```
HWEEK_PATTERN
```

Format

An object of class integer of length 1.

HWKFRI *C-HLI constant* HWKFRI

Description

C-HLI constant HWKFRI

Usage

```
HWKFRI
```

Format

An object of class integer of length 1.

HWKMON *C-HLI constant* HWKMON

Description

C-HLI constant HWKMON

Usage

```
HWKMON
```

Format

An object of class integer of length 1.

HWKOPN *C-HLI constant* HWKOPN

Description

C-HLI constant HWKOPN

Usage

```
HWKOPN
```

Format

An object of class integer of length 1.

HWKSAT *C-HLI constant* HWKSAT

Description

C-HLI constant HWKSAT

Usage

```
HWKSAT
```

Format

An object of class integer of length 1.

HWKSUN *C-HLI constant* HWKSUN

Description

C-HLI constant HWKSUN

Usage

```
HWKSUN
```

Format

An object of class integer of length 1.

HWKTHU *C-HLI constant* HWKTHU

Description

C-HLI constant HWKTHU

Usage

```
HWKTHU
```

Format

An object of class integer of length 1.

HWKTUE *C-HLI constant* HWKTUE

Description

C-HLI constant HWKTUE

Usage

```
HWKTUE
```

Format

An object of class integer of length 1.

HWKWED *C-HLI constant* HWKWED

Description

C-HLI constant HWKWED

Usage

```
HWKWED
```

Format

An object of class integer of length 1.

HWMODE *C-HLI constant* HWMODE

Description

C-HLI constant HWMODE

Usage

```
HWMODE
```

Format

An object of class integer of length 1.

HWRITE *C-HLI constant* HWRITE

Description

C-HLI constant HWRITE

Usage

```
HWRITE
```

Format

An object of class integer of length 1.

HYES *C-HLI constant* HYES

Description

C-HLI constant HYES

Usage

```
HYES
```

Format

An object of class integer of length 1.

Integer-class Integer

Description

A reference class to implement mutable integer data.

Fields

value An integer vector.

Methods

initialize(i = 0L) Initialize an integer array.

Examples

```
status <- Integer(-1)
```

`Numeric-class` `Numeric`

Description

A reference class to implement mutable numeric data.

Fields

`value` A numeric vector.

Methods

`initialize(x = 0)` Initialize a numeric vector.

Examples

```
ver <- Numeric(-1)
```

`rhli` *rhli: R access to the FAME C-HLI.*

Description

Complete access from R to the FIS MarketMap C-Toolkit (FAME C-HLI).

Details

FAME is a fully integrated software and database management system from FIS that provides the following capabilities:

- Time series and cross-sectional data management;
- Financial calculation, data analysis, econometrics, and forecasting;
- Table generation and detailed multicolor, presentation-quality report writing;
- Multicolor, presentation-quality graphics;
- "What-if" analysis;
- Application development and structured programming;
- Data transfer to and from other applications;
- Tools for building customized graphical user interfaces.

Programs should:

- Initialize with `cfmini` first.
- Display the version number with `cfmver`.
- *(do other work)*
- Finish with `cfmfin`.

There are three data classes for use with rhli:

- `Character`
- `Integer`
- `Numeric`

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