Package 'assert'

October 12, 2022

Title Validate Function Arguments

Version 1.0.1

Description Lightweight validation tool for checking function arguments and
validating data analysis scripts. This is an alternative to stopifnot() from
the 'base' package and to assert_that() from the 'assertthat' package. It
provides more informative error messages and facilitates debugging.

Imports

URL <https://github.com/OlivierBinette/assert>

BugReports <https://github.com/OlivierBinette/assert/issues>

License GPL (>= 2)

Encoding UTF-8

LazyData true

ByteCompile true

RoxygenNote 7.1.1

NeedsCompilation no

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R topics documented:

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assert   *Assertions and Argument Validation*

Description

Assert that each of the provided expression is true. Otherwise stop execution and return a description of each failed assertion.

Usage

```
assert(..., msg = "", stop = TRUE)
```

Arguments

`...`	List of logical assertions.
`msg`	Message to print alongside the list of failed assertions (if any).
`stop`	Whether execution should be stopped on failed assertions. If set to FALSE, then only a warning is issued. Default is TRUE.

Value

Nothing if all assertions pass. Otherwise throws an error describing which

Examples

```
attach(ChickWeight)

# Passing assertions
assert(is.numeric(weight),
       all(weight > 0))

# Failing assertions
if (interactive()) {
  assert(all(Diet > 0),
         is.numeric(Times))
}

# Validating function arguments
sum <- function(a, b) {
  assert(is.numeric(a),
         is.numeric(b),
         length(a) == length(b))

  return(a+b)
}

sum(2, 2)
```

```
if (interactive()) {
  sum("1", 2)
  sum(1, c(1,2))
  sum(1, x)
}
```

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