Package: iteratoR (via r-universe)

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Type Package

Title Print Loop Iterations at Exponentially Disparate Intervals

Version 0.1.1

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BugReports https://github.com/stevecondylios/iteratoR/issues

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URL https://github.com/stevecondylios/iteratoR

Description Know which loop iteration the code execution is up to by
including a single, convenient function call inside the loop.

Encoding UTF-8

LazyData true

RoxygenNote 7.1.2

Repository https://stevecondylios.r-universe.dev

RemoteUrl https://github.com/stevecondylios/iterator

RemoteRef HEAD

RemoteSha 7fe163d7da746a25ca86374be837a9f9b6278573

Contents

`iteration` *Conveniently print loop iterations to console*

Description

Place inside a loop to automatically and conveniently print the current loop iteration at exponentially disparate (or custom) intervals.

Usage

```
iteration(iterator_name, iteration_values)
```

Arguments

`iterator_name`	The name of the loop iterator (e.g. "i")
`iteration_values`	An integer vector specifying loop iterations (defaults to the sequence 1, 2, 5, 10, 20, 50, 100, 200, 500 ....)

Value

iteration() is a non-value-returning function. As such, it will not return anything, and instead print to console the value representing the current loop iteration.

Examples

```
# For a loop that would otherwise give no feedback as to where it is up to,
# simply include iteration() anywhere inside the loop to show progress

for(i in 1:10000) {
  2 * 2
  iteration()
}
# 10
# 20
# 50
# 100
# 200
# 500
# 1,000
# 2,000
# 5,000
# 10,000
# 20,000
# 50,000



# To use an iterator other than 'i' (example: 'page')
```

```
for(page in 1:10000) {
  2 * 2
  iteration("page")
}
# 10
# 20
# 50
# 100
# 200
# 500
# 1,000
# 2,000
# 5,000
# 10,000

# Use custom iteration intervals
for(i in 1:10000) {
  2 * 2
  iteration(iteration_values = seq(0, 1e4, 1e3))
}

# 1,000
# 2,000
# 3,000
# 4,000
# 5,000
# 6,000
# 7,000
# 8,000
# 9,000
# 10,000
```

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