Package ‘postlogic’

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Type Package
Title Infix and Postfix Logic Operators
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Maintainer Andrew Redd <Andrew.Redd@hsc.utah.edu>
Description Provides adds postfix and infix logic operators for if, then, unless, and otherwise.
Language en-US
License GPL-2
Encoding UTF-8
LazyData true
Suggests testthat, covr


NeedsCompilation no
Author Andrew Redd [aut, cre] (<https://orcid.org/0000-0002-6149-2438>)
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R topics documented:

if-otherwise ................................................................. 2
unless-then ................................................................. 2

Index

4
if-otherwise  

Postfix if-otherwise logic

Description
This construction allows logical statements to be placed after the value to be returned. Take note that the ’ as other custom infix operators and so care should be taken that the effect is as desired.

Usage
prior %if% proposition
prior %if% proposition %otherwise% alternate

Arguments
prior  The value to be returned if proposition evaluates to TRUE.
proposition  The logical statement to evaluate
alternate  The value to be returned if proposition evaluates to FALSE.
prior %if% proposition  An %if% statement.

See Also
Other postlogic: unless-then

Examples
```r
x <- 1
x <- (x+1) %if% is.numeric(x) %otherwise% "Hmm this isn't right O.o"
x # 2

x <- 1i
x <- (x+1) %if% is.numeric(x) %otherwise% "Hmm this isn't right O.o"
x # Hmm this isn't right
```

unless-then  

Infix unless-then logic

Description
These give logic that can be used as a qualifying statement that occurs after the value statement. Take note that the ’ as other custom infix operators and so care should be taken that the effect is as desired.
**Usage**

prior %unless% proposition
prior %unless% proposition %then% alternate

**Arguments**

<table>
<thead>
<tr>
<th>Argument</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>prior</td>
<td>Value to be returned unless proposition returns FALSE.</td>
</tr>
<tr>
<td>proposition</td>
<td>The logical statement to condition on.</td>
</tr>
<tr>
<td>alternate</td>
<td>When proposition returns true and the alternate value is returned.</td>
</tr>
<tr>
<td>prior %unless% proposition</td>
<td>An %if% statement.</td>
</tr>
</tbody>
</table>

**See Also**

Other postlogic: if-otherwise

**Examples**

```r
x <- 4
x <- sqrt(x) %unless% is.complex(x) %then% "This is too hard :("
x # 2

x <- 4i
x <- sqrt(x) %unless% is.complex(x) %then% "This is too hard :("
x # This is too hard :(
```
Index

%if%(if-otherwise), 2
%otherwise%/ (if-otherwise), 2
%then% (unless-then), 2
%unless% (unless-then), 2

if-otherwise, 2
unless-then, 2