

NAME

MouseX::NativeTraits::Str – Helper trait for Str attributes

SYNOPSIS

```
package MyHomePage;
use Mouse;

has 'text' => (
    traits    => ['String'],
    is        => 'rw',
    isa       => 'Str',
    default   => q{},
    handles   => {
        add_text    => 'append',
        replace_text => 'replace',
    },
);

my $page = MyHomePage->new();
$page->add_text("foo"); # same as $page->text($page->text . "foo");
```

DESCRIPTION

This module provides a simple string attribute, to which mutating string operations can be applied more easily (no need to make an lvalue attribute metaclass or use temporary variables). Additional methods are provided for completion.

PROVIDED METHODS

These methods are implemented in MouseX::NativeTraits::MethodProvider::Str. It is important to note that all those methods do in place modification of the value stored in the attribute.

inc Increments the value stored in this slot using the magical string autoincrement operator. Note that Perl doesn't provide analogous behavior in `--`, so **dec** is not available.

append(\$string)

Append a string, like `.=`.

prepend(\$string)

Prepend a string.

replace(\$pattern, \$replacement)

Performs a regexp substitution (“s” in perlop). A code references will be accepted for the replacement, causing the regexp to be modified with a single `e`. `/smxi` can be applied using the `qr` operator.

replace(\$pattern, \$replacement)

Performs a regexp substitution (“s” in perlop) with the `g` flag. A code references will be accepted for the replacement, causing the regexp to be modified with a single `e`. `/smxi` can be applied using the `qr` operator.

match(\$pattern)

Like `replace` but without the replacement. Provided mostly for completeness.

chop

“chop” in perlfunc

chomp

“chomp” in perlfunc

clear

Sets the string to the empty string (not the value passed to `default`).

length

“length” in perlfunc

substr

“substr” in perlfunc. We go to some lengths to match the different functionality based on `substr`'s arity.



MouseX::NativeTraits::Str(3pm)

User Contributed Perl Documentation

MouseX::NativeTraits::Str(3pm)

METHODS

meta

method_provider_class

helper_type

SEE ALSO

MouseX::NativeTraits

