

Today we'll talk about recursion in regular expressions

## Inspired by

Parsing JSON with a single regex

brian d \_foy

http://blogs.perl.org/users/brian\_d\_foy
/2013/10/parsing-json-with-a-single-regex.html

and Buddy Burden

http://blogs.perl.org/users/buddy\_burden
/2013/06/slideshows-in-vroom-so-noted.html

Actually I am delighted by Brian D Foy as He plays with regexes

Here we know that% \$ + this hash contains named

brackets

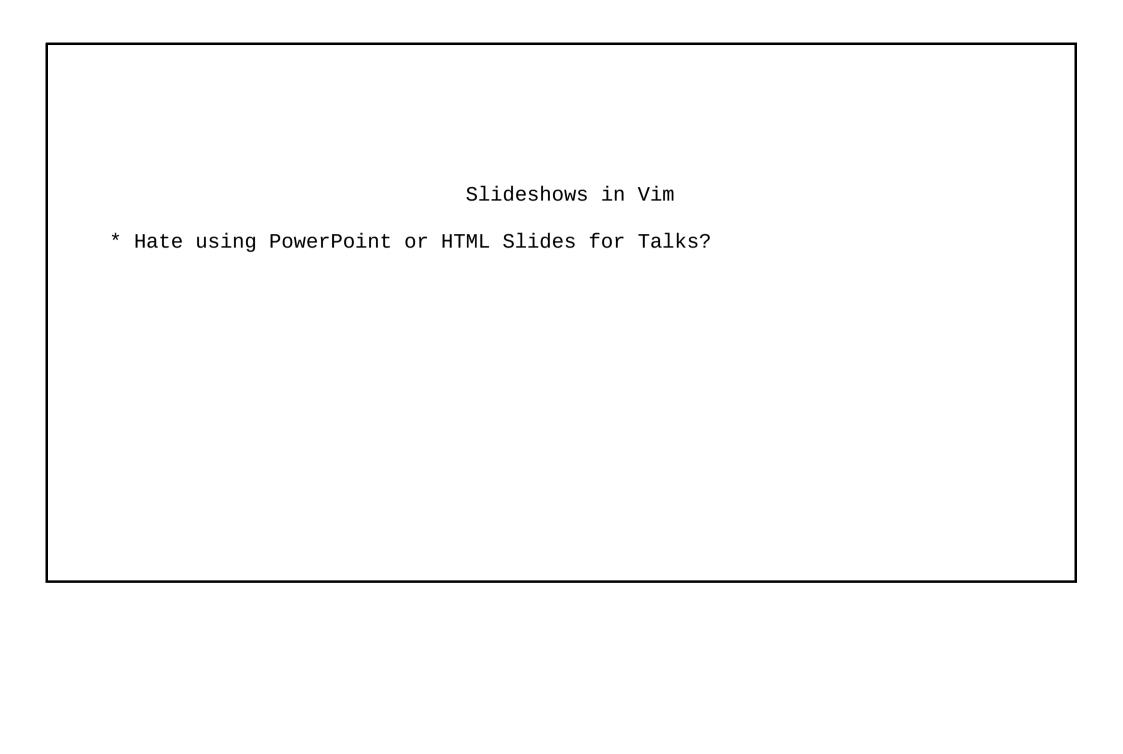
```
use v5.18;
$_ = <<'HERE';
Out "Top 'Middle "Bottom" Middle' Out"
HERE
say "Matched [$+{said}]!" if m/
           (?<said>
                                 #$1
           (?<quote>['"])
                  (?:
                      [^"]++
                      (?R)
           \g{quote}
           (?{say "Inside regex: $+{said}"})
           /x;
```

```
use v5.18;
$_ = <<'HERE';
Out "Top 'Middle "Bottom" Middle' Out"
HERE
say "Matched [$+{said}]!" if m/
         (?(DEFINE)
             (?<QUOTE> ['"])
             (?<NOT_QUOTE> [^'"])
         (?<said>
         (?<quote>(?&QUOTE))
                 (?:
                     (?&NOT_QUOTE)++
                     (?R)
          \g{quote}
         (?{ say "Inside regex: $+{said}" })
         /x;
```

```
use v5.18;
$_ = <<'HERE';
Out "Top 'Middle "Bottom" Middle' Out"
HERE
my @matches;
say "Matched [$+{said}]!" if m/
         (?(DEFINE)
             (?<QUOTE> ['"])
             (?<NOT_QUOTE> [^'"])
         (?<said>
         (?<quote>(?&QUOTE))
                     (?&NOT_QUOTE)++
                     (?R)
          \g{quote}
         (?{ push @matches, $^N })
         /x;
say "\n".join '|',@matches;
```

```
use v5.18;
$_ = <<'HERE';
Out "Top 'Middle "Bottom" Middle' Out"
HERE
my @matches;
say "Matched!" if m/
         (?(DEFINE)
             (?<QUOTE_MARK> ['"])
             (?<NOT_QUOTE_MARK> [^'"])
             (?<QUOTE>
                       (?<quote>(?&QUOTE_MARK))
                       (?:
                            (?&NOT_QUOTE_MARK)++
                            (?&QUOTE)
                       \g{quote}
          (?{ push @matches, $^N })
   (?&QUOTE)
         /x;
```

```
use v5.18;
$_ = <<'HERE';
Out "Top 'Middle "Bottom" Middle' Out"
HERE
my @matches;
say "Matched!" if m/
         (?(DEFINE)
             (?<QUOTE_MARK> ['"])
             (?<NOT_QUOTE_MARK> [^'"])
             (?<QUOTE>
                      (?<quote>(?&QUOTE_MARK))
                      (?:
                            (?&NOT_QUOTE_MARK)++
                            (?&QUOTE)
                      \g{quote}
          (?{ [ @{$^R}, $^N ] })
   (?&QUOTE) (?{ @matches=@{ $^R } })
         /x;
```



# Slideshows in Vim \* Hate using PowerPoint or HTML Slides for Talks? \* Use Vroom!

### Slideshows in Vim

- \* Hate using PowerPoint or HTML Slides for Talks?
- \* Use Vroom!
- \* You can write you slides in Vim...
- \* ...and present them in Vim!

# Getting Started

- \* Write a file called 'slides.vroom'.
  - \* Do this in a new directory.
- \* Run 'vroom vroom'.
- \* Voilà!

# Navigation

- \* Hit <SPACE> to move forward.
- \* Hit <BACKSPACE> to go backwards.
- \* Hit 'Q' to quit.

```
# This is some Perl code.
# Notice the syntax highlighting.
# Run it with the <RR> vim command.
for my $word (qw(Vroom totally rocks!)) {
    print "$word\n";
}
```

Get Vroom! \* http://search.cpan.org/dist/Vroom/
\* http://github.com/ingydotnet/vroom-pm/



