Ruby - Bug #19544

Custom quotes inconsistency

03/24/2023 03:46 AM - hurricup (Alexandr Evstigneev)

Status:	Closed		
Priority:	Normal		
Assignee:			
Target version:			
ruby -v:		**Backport:**	2.7: UNKNOWN, 3.0: UNKNOWN, 3.1: UNKNOWN, 3.2: UNKNOWN

Description

According to parse_percent in parse.y:

For % we should be able use ascii non alphanumeric delimiters.
But, p % jim beam ; does not work. Presumably because of some look-ahead distincting % from percent-string starter. Seems it is the same for any \s after %

For the explicit % construction, with type specifier %[QqWwIisrx] we should be able to use non-alphanumeric ascii characters, which includes \s. But:
This works:

```
p %s
jim beam
```

And this does not:

```
p %w
jim\ beam
```

with unterminated list error.

First seems unavoidable, but second looks like obvious error of finding terminating \n

Related issues:

Related to Ruby - Bug #19563: Ripper.tokenize(code).join != code when heredoc...		**Closed**

History

#1 - 03/24/2023 04:55 AM - mame (Yusuke Endoh)

> Presumably because of some look-ahead distincting % from percent-string starter

It depends on the lex state, not look-ahead. If you place % in a context where the beginning of an expression is expected, you can write %-literal with spaces as delimiters.

```
p(% foo )         #=> "foo"
p(% jim\ beam ) #=> "jim beam"
```

%w cannot be used with a space delimiter because it interprets all whitespace characters as a word delimiter.

#2 - 03/24/2023 05:05 AM - hurricup (Alexandr Evstigneev)

mame (Yusuke Endoh) wrote in #note-1:

> Presumably because of some look-ahead distincting % from percent-string starter

> It depends on the lex state, not look-ahead. If you place % in a context where the beginning of an expression is expected, you can write %-literal with spaces as delimiters.

> ```
> p(% foo )        #=> "foo"
> p(% jim\ beam ) #=> "jim beam"
> ```

%w cannot be used with a space delimiter because it interprets all whitespace characters as a word delimiter.

Thank you! This sounds reasonable. Then feels that list-like quotations ops [WwIi] should error about \s term, not unterminated list, which may be confusing.

#3 - 03/24/2023 05:14 AM - hurricup (Alexandr Evstigneev)

mame (Yusuke Endoh) wrote in #note-1:

%w cannot be used with a space delimiter because it interprets all whitespace characters as a word delimiter.

Also, it could be usable, because space may be used as delimiter and \n as word separator and vice versa.

#4 - 07/11/2023 01:30 PM - nobu (Nobuyoshi Nakada)

- Related to Bug #19563: Ripper.tokenize(code).join != code when heredoc and multiline %w[] literal is on the same line added

#5 - 07/11/2023 01:30 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

Fixed at [ac8a16237c727ae2a1446ef6dc810d0e750971fb](ac8a16237c727ae2a1446ef6dc810d0e750971fb).