Ruby master - Feature #4935
Quoted Label Form for 1.9 Hashes
06/27/2011 11:28 AM - adgar (Michael Edgar)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>matz (Yukihiro Matsumoto)</td>
</tr>
<tr>
<td>Target version:</td>
<td>2.6</td>
</tr>
</tbody>
</table>

**Description**

As discussed in the "Shorthand Hash Syntax for Strings" thread/feature request, several (including Matz) expressed interest in a parallel quoted form for the 1.9 label syntax:

```
{ foo: bar }
{ 'only-19': true }
```

```ruby
x = "hello"
{ "#{x}-world": Date.now }
```

This personally has come up for me with the new syntax: especially when dealing with command-line options, which often use hyphens, the quoted symbol form is necessary. Not being able to use the new syntax results in funny-looking hashes:

```
{ foo: bar, baz: qux, :'abc-def' => 1 }
```

I've attached a patch implementing this change. It allows a colon to follow single-quoted or double-quoted string literals to form a symbol key much like the label syntax introduced in 1.9. The examples listed at the start of this post all work fine. It introduces a new token - tLABEL_END - which replaces tSTRING_END when closing a symbol-label-literal. It introduces a single new grammar production for assoc, which is nearly purely syntactic sugar for the dsym grammar production; I've extracted dsym's implementation to a separate helper function, which is called from the dsym production and from the new label-style production.

I will immediately attach a new passing test for test_hash.rb in a followup post, once this has a feature # and ruby-core thread assigned to it.

NB: By removing the quote check on line 6580, one can make this feature work with any string literal (like "{ %q/foo-bar/: baz}", obviously doesn't work with heredocs) - I personally find this to be silly and inconsistent with the existing symbol syntax. Though it was fun to play with for a bit.

**Related issues:**

Is duplicate of Ruby master - Feature #4276: Allow use of quotes in symbol sy...

**Associated revisions**

Revision cbdactea - 12/05/2014 12:46 AM - nobu (Nobuyoshi Nakada)
parse.y: fix lex_state after tLABEL_END

```
parse.y [parser_yylex]: fix lex_state after tLABEL_END, should be EXPRLABELARG to be followed by "paren with arg". [ruby-core:66705] [Feature #4935]
```

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@48712 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 48712 - 12/05/2014 12:46 AM - nobu (Nobuyoshi Nakada)
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History

#1 - 06/27/2011 11:31 AM - adgar (Michael Edgar)
- File label_test.diff added

Sorry, meant to list this as a feature. Test attached.

#2 - 06/27/2011 11:49 AM - shyouhei (Shyouhei Urabe)
- Tracker changed from Bug to Feature

#3 - 07/09/2011 12:55 PM - adgar (Michael Edgar)
With the feature freeze coming up in a couple days, is there a chance this sees 1.9.3? It doesn't break any old syntax, only introduces new syntax, and rounds out the label feature of the 1.9 branch nicely.

#4 - 03/25/2012 04:32 PM - mame (Yusuke Endoh)
- Status changed from Open to Assigned
- Assignee set to matz (Yukihiro Matsumoto)

#5 - 11/20/2012 09:42 PM - mame (Yusuke Endoh)
- Target version set to 2.6

#6 - 09/20/2014 01:48 AM - nobu (Nobuyoshi Nakada)
- Status changed from Assigned to Closed

Applied in changeset r47649.

parse.y: quoted ID key

- parse.y (assoc): allow quoted ID as a key of a hash literal. [ruby-core:34453] [Feature #4276]

Files

<table>
<thead>
<tr>
<th>File</th>
<th>Size</th>
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<th>Author</th>
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<tbody>
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<td>label_patch.diff</td>
<td>4.07 KB</td>
<td>06/27/2011</td>
<td>adgar (Michael Edgar)</td>
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<td>label_test.diff</td>
<td>541 Bytes</td>
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