

Ruby - Bug #7406

English.rb says that \$_ is thread-local, but it is frame-local

11/20/2012 07:28 AM - headius (Charles Nutter)

Status:	Closed	
Priority:	Normal	
Assignee:	mame (Yusuke Endoh)	
Target version:	2.0.0	
ruby -v:	2.0.0preview1	
		Backport:
Description		
system ~/projects/jruby/gist-4110634 \$ jirb irb(main):001:0> \$_ = 'foo' => "foo" irb(main):002:0> def blah; p \$; end => nil irb(main):003:0> p \$ "foo" => "foo" irb(main):004:0> blah nil => nil Not thread-local.		

Associated revisions

Revision 2ae0c4c44bda180ec75ce8e571840e8b9667a7e5 - 02/02/2013 02:47 AM - mame (Yusuke Endoh)

- lib/English.rb: Remove some confusing words from rdoc. [Bug #7406]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39010 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 2ae0c4c4 - 02/02/2013 02:47 AM - mame (Yusuke Endoh)

- lib/English.rb: Remove some confusing words from rdoc. [Bug #7406]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@39010 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 11/20/2012 07:32 AM - headius (Charles Nutter)

I guess this is a bit confusing, since it does also say it's scope-local. The thread-local part throws me off a bit. Is it thread-local or scope-local?

Here's the example again, this time actually running in 2.0.0.preview1:

```
system ~/projects/jruby $ irb-2.0.0
irb(main):001:0> $_ = 'foo'
=> "foo"
irb(main):002:0> def blah; p $; end
=> nil
irb(main):003:0> p $
"foo"
=> "foo"
irb(main):004:0> blah
nil
=> nil
```

#2 - 11/24/2012 06:17 PM - mame (Yusuke Endoh)

- Status changed from Open to Assigned
- Assignee set to mame (Yusuke Endoh)
- Target version set to 2.0.0

I think that "scope-local" normally implies "thread-local".
If you think it is confusing, I'll delete the comments, unless there is objection.

```
diff --git a/lib/English.rb b/lib/English.rb
index 4fd53c5..44baf17 100644
--- a/lib/English.rb
+++ b/lib/English.rb
@@ -119,7 +119,7 @@ alias $CHILD_STATUS      $?
```

and \$1 to \$9 are all derived from

\$. Assigning to \$ changes the values of these

derived variables. This variable is local to the current

```
-# scope. Thread local.
+# scope.
alias $LAST_MATCH_INFO    $~
```

If set to any value apart from +nil+ or +false+, all pattern matches

```
@@ -135,21 +135,21 @@ alias $ARGV          $*
```

The string matched by the last successful pattern

match. This variable is local to the current

```
-# scope. Read only. Thread local.
+# scope. Read only.
alias $MATCH              $&
```

The string preceding the match in the last

successful pattern match. This variable is local to

```
-# the current scope. Read only. Thread local.
+# the current scope. Read only.
alias $PREMATCH          $`
```

The string following the match in the last

successful pattern match. This variable is local to

```
-# the current scope. Read only. Thread local.
+# the current scope. Read only.
alias $POSTMATCH         $'
```

The contents of the highest-numbered group matched in the last

successful pattern match. Thus, in "cat" =~ /(c|a)(t|z)/,

\$+ will be set to "t". This variable is local to the

```
-# current scope. Read only. Thread local.
+# current scope. Read only.
alias $LAST_PAREN_MATCH  $+
```

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Yusuke Endoh mame@tsg.ne.jp

#3 - 02/02/2013 11:47 AM - mame (Yusuke Endoh)

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r39010.
Charles, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

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