

Ruby trunk - 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: 2.3: UNKNOWN, 2.4: UNKNOWN, 2.5: UNKNOWN
Description system ~/projects/jruby/gist-4110634 \$ jirb irb(main):001:0> <code>\$_ = 'foo'</code> => "foo" irb(main):002:0> <code>def blah; p \$; end</code> => nil irb(main):003:0> <code>p \$</code> "foo" => "foo" irb(main):004:0> <code>blah</code> nil => nil Not thread-local.	

Associated revisions

Revision 39010 - 02/02/2013 02:47 AM - mame (Yusuke Endoh)

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

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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  $+
```

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