

Ruby - Bug #21356

Error when accessing local variable named "default" with Binding#local_variable_get

05/21/2025 08:31 AM - richardboehme (Richard Böhme)

Status:	Closed	
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 3.5.0dev (2025-05-21T06:12:18Z master f6cbf499bc) +PRISM [x86_64-linux]	Backport: 3.2: REQUIRED, 3.3: REQUIRED, 3.4: REQUIRED

Description

On Ruby master when using Binding#local_variable_get with the name :default it raises the following error:

```
'Binding#local_variable_get': numbered parameter 'default' is not a local variable (NameError)
```

I saw that this error was introduced in [#21049](#) but it seems like the check for whether the passed variable name is a numbered parameter does not work for the :default symbol.

I think this might be an off-by-one error in the rb_numparam_id_p function in proc.c, where instead of adding 9 (the maximum number of numbered parameters) to tNUMPARAM_1 we currently add 10 which then includes the id of default as well? Compiling with this change (see attached diff) fixed the issue but I'm not sure if it might break other things.

Associated revisions

Revision 9a41d76b - 05/21/2025 01:12 PM - richardboehme (Richard Böhme)

Fix one-by-one error of numbered parameter ID

History

#1 - 05/21/2025 09:24 AM - nobu (Nobuyoshi Nakada)

- Backport changed from 3.2: UNKNOWN, 3.3: UNKNOWN, 3.4: UNKNOWN to 3.2: REQUIRED, 3.3: REQUIRED, 3.4: REQUIRED

#2 - 05/21/2025 09:28 AM - mame (Yusuke Endoh)

Good catch, you are correct. Thank you! <https://github.com/ruby/ruby/pull/13396>

#3 - 06/03/2025 06:43 AM - mame (Yusuke Endoh)

- Status changed from Open to Closed

Fixed by <https://github.com/ruby/ruby/pull/13395>

Files

patch.diff	384 Bytes	05/21/2025	richardboehme (Richard Böhme)
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