

Ruby trunk - Misc #15654

Documentation for Complex is wrong or misleading

03/11/2019 08:43 AM - sawa (Tsuyoshi Sawada)

Status:	Open
Priority:	Normal
Assignee:	
Description	
The documentation for Complex https://ruby-doc.org/core-2.6/Complex.html says or implies that a complex can be created by literal like $2+1i$, but that is actually calling the method <code>+</code> on receiver <code>2</code> with argument <code>1i</code> . The description should be changed to make it clear that $2+1i$ is not a literal but is applying a method.	

History

#1 - 03/11/2019 09:18 AM - Hanmac (Hans Mackowiak)

[nobu \(Nobuyoshi Nakada\)](#): i don't know if that would be better, but can the parser be changed to support that stuff like "2+1i" would create the Complex object directly?

#2 - 03/11/2019 09:25 AM - sawa (Tsuyoshi Sawada)

Actually, currently, there is no literal for complex numbers whose real part is non-zero. I think we need a literal to cover such cases. If something along nobu's suggestion works, that would be preferable.

#3 - 03/11/2019 09:32 AM - Hanmac (Hans Mackowiak)

sawa (Tsuyoshi Sawada) wrote:

Actually, currently, there is no literal for complex numbers whose real part is non-zero. I think we need a literal to cover such cases. If something along nobu's suggestion works, that would be preferable.

it wasn't a suggestion from him, i just wanted to ping him so he can see the message

#4 - 03/11/2019 11:55 AM - nobu (Nobuyoshi Nakada)

There would be a chance to optimize such expressions, but it is not a single literal syntactically, and constant folding is disabled in Ruby for its dynamic nature.

New literal syntax will be needed for an (impurely) imaginary number literal, but I doubt that we really need it.