

Ruby - 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 <code>2+1i</code> , 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 <code>2+ 1i</code> 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.