class Array: alias .prepend to .unshift ?

09/09/2016 08:59 PM - shevegen (Robert A. Heiler)

Status: Closed
Priority: Normal
Assignee:
Target version:

Description
This code works:

array = %w(b c)  # => ["b", "c"]
array.unshift "a"
array             # => ["a", "b", "c"]

I would like for .prepend to also work on class Array.

Rationale:

I found myself to sometimes .prepend to a String object in Ruby, which works very well.

Sometimes I do not want to care whether I have a String or an Array, I just want to prepend stuff (add to the beginning).

I can do so via .unshift, fair enough, and I also can use [] such as:

array[0,0] = 'a'

Which works on both class String and Array.

Since class Hash is sorted (kept in order) these days, perhaps they can also use a .prepend variant, which either works for prepending both a key-value pair, or optionally, to make the value default to nil and just provide a key (if the user does not need to specify a specific value) such as:

hash.prepend :cat
hash.prepend cat: :Tom

But primarily, I only ask for class Array since I have had use cases for class Array; I did not yet have a similar use case for class Hash.

Feel free to close this if it is considered unwanted for any reason!

Associated revisions
Revision f57d515d - 04/01/2017 07:38 AM - nobu (Nobuyoshi Nakada)
array.c: Array#append and Array#prepend

array.c (Init_Array): Add alias "append" to Array#push, and "prepend" to Array#unshift. [Feature #12746] [Fix GH-1574]

Author: pascbjumper2 stowers.joshua@live.com

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@58227 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 58227 - 04/01/2017 07:38 AM - nobu (Nobuyoshi Nakada)
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Revision b6b4af0e - 04/06/2017 12:14 AM - kazu (Kazuhiro Egawa)
NEWS: mention Array#append and Array#prepend

[Feature #12746] [ci skip]
git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@58257 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 58257 - 04/06/2017 12:14 AM - znz (Kazuhiro NISHIYAMA)
NEWS: mention Array#append and Array#prepend

[Feature #12746] [ci skip]

Revision 58257 - 04/06/2017 12:14 AM - kazu
NEWS: mention Array#append and Array#prepend

[Feature #12746] [ci skip]

Revision 58257 - 04/06/2017 12:14 AM - kazu
NEWS: mention Array#append and Array#prepend

[Feature #12746] [ci skip]

History

#1 - 09/14/2016 09:40 PM - nrodriguez (Nicolas Rodriguez)
Also .prepend sounds more natural than .unshift (specialy on Array). But it also implies .append which should be aliased to .push.

Example:

[1, 2, 3].append(4).append(5)

#2 - 11/25/2016 07:46 AM - matz (Yukihiro Matsumoto)
Accepted.

Matz.

#3 - 11/25/2016 07:51 AM - matsuda (Akira Matsuda)
FYI both append and prepend are in ActiveSupport:
https://github.com/rails/rails/blob/master/active_support/lib/active_support/core_ext/array/prepend_and_append.rb

#4 - 03/31/2017 06:48 AM - JustJosh (Joshua Stowers)
Thanks, Matz! I've been wanting this for a while.
I've just made a PR to the Github repo with the changes: https://github.com/ruby/ruby/pull/1574
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  "prepend" to Array#unshift.  [Feature #12746] [Fix GH-1574]

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