

Ruby trunk - Feature #2172

Enumerable#chunk with no block

10/03/2009 01:48 PM - marcandre (Marc-Andre Lafortune)

Status:	Closed
Priority:	Normal
Assignee:	matz (Yukihiko Matsumoto)
Target version:	
Description	
<pre>=begin What should "(1..3).chunk" (i.e. without a block) do? It issued an ArgumentError: tried to create Proc object without a block I changed the error message to "no block given" which I hope to be more informative, but maybe there is something more useful to do here? A default block of { x x} doesn't seem all that useful. Returning an enumerator that, upon completion, will return an enumerator would probably be better, but could also be a bit confusing if someone doesn't realize he forgot to specify the block? Thanks to Run Paint for raising the question when writing the rubyspec for #chunk. =end</pre>	

Associated revisions

Revision 69846644 - 10/04/2016 06:25 PM - marcandre (Marc-Andre Lafortune)

- enum.c: Make Enumerable#chunk with no block return an Enumerator [#2172]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@56342 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 56342 - 10/04/2016 06:25 PM - marcandre (Marc-Andre Lafortune)

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History

#1 - 10/16/2009 10:04 AM - naruse (Yui NARUSE)

- Status changed from Open to Assigned
- Assignee changed from matz (Yukihiko Matsumoto) to akr (Akira Tanaka)

#2 - 11/04/2009 12:25 PM - marcandre (Marc-Andre Lafortune)

- Category set to core
- Assignee changed from akr (Akira Tanaka) to matz (Yukihiko Matsumoto)

- Target version set to 1.9.2

#3 - 11/04/2009 12:29 PM - marcandre (Marc-Andre Lafortune)

- Assignee changed from matz (Yukihiko Matsumoto) to akr (Akira Tanaka)

#4 - 03/25/2010 11:54 PM - marcandre (Marc-Andre Lafortune)

Maybe a default block of `{|x| x}` can be useful for some people...

<http://stackoverflow.com/questions/2516312/remove-adjacent-identical-elements-in-a-ruby-array>

#5 - 04/04/2010 01:22 AM - znz (Kazuhiro NISHIYAMA)

- Target version changed from 1.9.2 to 2.0.0

#6 - 08/06/2012 10:35 PM - tokland (Arnau Sanchez)

Any decision about this? For me it's a clear +1, chunking by the values unchanged is very common (not that it's representative, but I checked my code: 4 occurrences of chunk, all with the identity block)

#7 - 10/28/2012 11:05 PM - akr (Akira Tanaka)

- Description updated

- Target version changed from 2.0.0 to 2.6

#8 - 09/21/2016 02:53 PM - marcandre (Marc-Andre Lafortune)

- Assignee changed from akr (Akira Tanaka) to matz (Yukihiko Matsumoto)

Matz, would you agree to return enumerator for chunk without a block?

This is useful in particular to chain it with `with_index`

A real case example is to summarize a list of integers into ranges. Currently, we need:

```
integers.enum_for(:chunk).with_index { |x, idx| x - idx }.map do |diff, group|
  [group.first, group.last]
end
```

Ref: <http://stackoverflow.com/questions/8621733/how-do-i-summarize-array-of-integers-as-an-array-of-ranges>

#9 - 09/21/2016 02:55 PM - marcandre (Marc-Andre Lafortune)

Forgot to note that the other possibility suggested for chunk with no block can now be done clearly and succinctly with `chunk(&:itself)`, so there's no longer any doubt that the block without block should return an Enumerator

#10 - 10/04/2016 10:28 AM - matz (Yukihiko Matsumoto)

Now it sounds reasonable. Marc-Andre, could you implement it?

Matz.

#11 - 10/04/2016 06:30 PM - marcandre (Marc-Andre Lafortune)

Great, thanks!

Done for chunk.

Matz, I imagine I should do the same for `chunk_while`, `slice_after`, `slice_before` and `slice_when`, right?

#12 - 10/06/2016 04:45 AM - marcandre (Marc-Andre Lafortune)

- Status changed from Assigned to Closed

Closing, created [#12813](#) instead.