

Ruby trunk - Feature #5129

Create a core class "FileArray" and make "ARGF" its instance

08/01/2011 01:57 PM - yimutang (Joey Zhou)

Status:	Assigned
Priority:	Normal
Assignee:	matz (Yukihiro Matsumoto)
Target version:	
Description	
<p>I suggest to create a class "FileArray" whose instance behaves just like ARGF do. And I think ARGF should be an instance of FileArray. Now when I "p ARGF.class", I get "ARGF.class", so ARGF is an instance of ARGF.class, how meaningless it is.</p>	
FileArray methods:	
<pre># create an instance fa = FileArray.new('a.txt', 'b.txt', 'c.txt') # take many methods from IO # most methods from ARGF should be instance methods of ARGF fa.each { line puts line } fa.realines fa.filename # current file # but "argv" not p fa.file_list # in ARGF, its ARGF.argv, but #argv is not a proper name for FileArray # ARGV array can be modified, adding new file into it, all replace to a new file list. # FileArray should add some methods to modify the inner file list. fa.insert(3, "d.txt") fa.delete('a.txt')</pre>	
<p>With FileArray, You can create multiple ARGF-like file arrays simultaneously.</p>	
<p>For example, I want to mix two <i>groups</i> of files, not two files:</p>	
<pre>a_files = FileArray.new(*Dir.glob('a*.txt')) b_files = FileArray.new(*Dir.glob('b*.txt')) enum_a = a_files.each enum_b = b_files.each loop do puts enum_a.next puts enum_b.next end</pre>	

History

#1 - 03/27/2012 01:55 AM - mame (Yusuke Endoh)

- Status changed from Open to Assigned
- Assignee set to matz (Yukihiro Matsumoto)

Hello,

I like the idea, but it requires matz's approval.

Now when I "p ARGF.class", I get "ARGF.class", so ARGF is an instance of ARGF.class, how meaningless it is.

FYI: In fact, it is meaningful. You can "exploit" it.

```
$ cat a.txt
```

```
foo
$ cat b.txt
bar
$ ruby -e 'p ARGF.class.new("a.txt", "b.txt").read'
"foo\nbar\n"
```

I'm not sure if this behavior is the spec, though.

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#2 - 11/20/2012 09:47 PM - mame (Yusuke Endoh)

- *Target version set to 2.6*

#3 - 12/25/2017 06:15 PM - naruse (Yui NARUSE)

- *Target version deleted (2.6)*

#4 - 01/23/2018 12:09 PM - shevegen (Robert A. Heiler)

Just noticed it for the upcoming developer meeting. I agree with the functionality; not sure if FileArray is a good name, but I also can not suggest a better name. (The functionality is fine in my opinion)

#5 - 01/23/2018 02:02 PM - nobu (Nobuyoshi Nakada)

- *Description updated*

yimutang (Joey Zhou) wrote:

For example, I want to mix two *groups* of files, not two files:

FileGroup ?