**Ruby master - Feature #2018**

**[irb] BasicObject.new doesn’t have an inspect**

08/31/2009 02:43 AM - DanielBovensiepen (Daniel Bovensiepen)

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>keiju (Keiju Ishitsuka)</td>
</tr>
<tr>
<td>Target version:</td>
<td>2.0.0</td>
</tr>
</tbody>
</table>

**Description**

=begin
Using BasicObject.new in irb:

    daniel@boviAir# ruby19 --version
    ruby 1.9.2dev (2009-08-30 trunk 24718) [i386-darwin9.8.0]
    daniel@boviAir# irb19 --version
    irb 0.9.6 (09/06/30)
    daniel@boviAir# irb19
    irb(main):001:0> BasicObject.new

    Produce an Exception due to the fact that inspect doesn't exist in the BasicObject:

    NoMethodError: undefined method inspect' for #<BasicObject:0x4b2738>
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb/inspector.rb:84:inblock in module:IRB
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb/inspector.rb:30:incall
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb/context.rb:259:in inspect_last_value
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb/context.rb:271:insignal_status
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb/context.rb:271:inblock (2 levels) in eval_input
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb.rb:309:in output_value
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb.rb:158:in block (2 levels) in eval_input
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb.rb:271:insignal_status
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb.rb:271:inblock (2 levels) in each_top_level_statement
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb/ruby-lex.rb:230:in loop
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb/ruby-lex.rb:229:incatch
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb/ruby-lex.rb:229:ineach_top_level_statement
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb/ruby-lex.rb:229:inblock (2 levels) in each_top_level_statement
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb/ruby-lex.rb:229:incatch
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb/ruby-lex.rb:229:ineach_top_level_statement
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb/ruby-lex.rb:229:inblock (2 levels) in eval_input
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb/ruby-lex.rb:229:inblock (2 levels) in each_top_level_statement
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb/ruby-lex.rb:229:incatch
    from /Users/danielbovensiepen/Programs/ruby19/lib/ruby/1.9.1/irb/ruby-lex.rb:229:ineach_top_level_statement
    from /Users/danielbovensiepen/Programs/ruby19/bin/irb19:12:in "Maybe IRB bug!!"

In the attachment is a patch for catching this exception.
=end

**History**

#1 - 08/31/2009 02:49 AM - dblack (David Black)

=begin
Hi --

On Mon, 31 Aug 2009, Daniel Bovensiepen wrote:

    Bug #2018: [irb] BasicObject.new doesn't have an inspect
    http://redmine.ruby-lang.org/issues/show/2018

    Why is that a bug?

    David

    --
    David A. Black / Ruby Power and Light, LLC / http://www.rubypal.com
    Ruby/Rails training, mentoring, consulting, code-review
=end
September Ruby training in NJ has been POSTPONED. Details to follow.

#2 - 08/31/2009 02:51 AM - hongli (Hongli Lai)

I thought the whole point of BasicObject is that it doesn't have any methods.

#3 - 08/31/2009 07:36 AM - matz (Yukihiro Matsumoto)

Hi,

In message "Re: [ruby-core:25201] Re: [Bug #2018] [irb] BasicObject.new doesn't have an inspect" on Mon, 31 Aug 2009 02:49:19 +0900, "David A. Black" dblack@rubypal.com writes:

I think it's not the point. BasicObject has no method (with a few exception) by its definition. But irb should handle objects without inspect defined.

matz.

#4 - 08/31/2009 07:40 AM - dblack (David Black)

On Mon, 31 Aug 2009, Yukihiro Matsumoto wrote:

Hi,

I think it's not the point. BasicObject has no method (with a few exception) by its definition. But irb should handle objects without inspect defined.

Ah, OK -- I didn't catch onto that.

Actually I really like doing:

```ruby
>> b = BasicObject.new
```

in irb when I'm teaching 1.9 -- very dramatic way to demonstrate the basicness of BasicObject :-) But I can understand that it should probably be handled more gracefully.

David

David A. Black / Ruby Power and Light, LLC / http://www.rubypal.com
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#5 - 09/07/2009 11:35 AM - yugui (Yuki Sonoda)

- Assignee set to keiju (Keiju Ishitsuka)
It is not a bug. But I think enhancement for irb is possible.
What kind of handling do you want?

#6 - 09/07/2009 12:37 PM - matz (Yukihiro Matsumoto)
- Status changed from Open to Closed
- % Done changed from 0 to 100

Applied in changeset r24779.