

Ruby - Bug #12090

`Range#cover` does not raise an exception when comparison fails

02/19/2016 03:37 PM - sawa (Tsuyoshi Sawada)

Status:	Closed	Backport: 2.0.0: UNKNOWN, 2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:		
Description		
The documentation for Range#cover? says, <pre>cover?(obj) → true or false</pre> Returns true if obj is between the begin and end of the range. This tests begin <= obj <= end when exclude_end? is false and begin <= obj < end when exclude_end? is true. which implies that, when comparison fails, cover? should raise an error. But actually, it doesn't: <pre>"a" <= 1 # => ArgumentError: comparison of String with 1 failed 1 <= "a" # => ArgumentError: comparison of Fixnum with String failed ("a".. "z").cover?(1) # => false</pre> It silently returns false instead of raising an error. Either Range#cover? should raise an error when comparison fails, or the documentation should be changed to correctly describe this behaviour.		

Associated revisions

Revision 3556cba5038530e728eb6309dcf5d4d1a96a02ac - 07/24/2019 05:35 PM - jeremyevans (Jeremy Evans)

Document that Range#cover? returns false if <=> returns nil

Fixes [Bug #12090]

Revision 3556cba5038530e728eb6309dcf5d4d1a96a02ac - 07/24/2019 05:35 PM - jeremyevans (Jeremy Evans)

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Fixes [Bug #12090]

Revision 3556cba5 - 07/24/2019 05:35 PM - jeremyevans (Jeremy Evans)

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History

#1 - 02/19/2016 05:01 PM - sos4nt (Stefan Schüßler)

Raising an error would break backward compatibility. Maybe cover? should just return nil to indicate incomparable values.

```
("a".. "z").cover?("c") # => true
("a".. "z").cover?("5") # => false
("a".. "z").cover?(1)  # => nil
```

#2 - 07/24/2019 05:36 PM - jeremyevans (Jeremy Evans)

- Status changed from Open to Closed

Applied in changeset [git|3556cba5038530e728eb6309dcf5d4d1a96a02ac](https://github.com/ruby/ruby/commit/3556cba5038530e728eb6309dcf5d4d1a96a02ac).

Document that Range#cover? returns false if <=> returns nil

Fixes [Bug [#12090](#)]