## Description

1. `String#upcase/String#downcase` don't work with Russian characters

   ```ruby
   ruby-1.9.2-preview3 > "привет".upcase
   => "привет"
   ruby-1.9.2-preview3 > "ПРИВЕТ".downcase
   => "ПРИВЕТ"
   ```

1. Regex doesn't work with POSIX bracket classes

   ```ruby
   ruby-1.9.2-preview3 > "привет" =~ /[:alpha:]/
   => nil
   ```

   It's working with unicode groups

   ```ruby
   ruby-1.9.2-preview3 > "привет" =~ /\p{L}/
   => 0
   ```

   1. Negated unicode groups don't work

   ```ruby
   SyntaxError: (irb):13: invalid character property name \p{L}:
   from /Users/yury/.rvm/rubies/ruby-1.9.2-preview3/bin/irb:17: in `'
   ```

## Related issues:

Related to CommonRuby - Feature #10085: Add non-ASCII case conversion to Stri...

**Closed**

## History

**#1 - 06/01/2010 08:33 PM - naruse (Yui NARUSE)**

=begin

1. `String#upcase/String#downcase` don't work with Russian characters

Ruby's `String#upcase` is for ASCII.

1. Regex doesn't work with POSIX bracket classes "привет" =~ /[:alpha:]/

"привет" =~ /alpha/ is correct.

1. Negated unicode groups don't work

It seems a bug. I'll check it, thanks.

=end

**#2 - 06/01/2010 08:34 PM - naruse (Yui NARUSE)**

- Assignee set to naruse (Yui NARUSE)
Hi,

Thank you for your report.

2010/6/1 Yury Korolev redmine@ruby-lang.org:

1. String#upcase/String#downcase don't work with russian characters

This is the spec. Traditionally, they have handled only ASCII characters.

1. Regex doesn't work with POSIX bracket classes

This is also the spec. This spec was changed after 1.9.1.  
See NEWS: http://svn.ruby-lang.org/repos/ruby/tags/v1_9_2_preview3/NEWS

The rationale is that many people expects `d` and `s` to match ASCII only.

1. Negated unicode groups don't work

This looks like a bug. We'll invetigave it. Thanks!

--
Yusuke Endoh mame@tsg.ne.jp

This issue was solved with changeset r28120.
Yury, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

#5 - 07/23/2014 11:06 AM - duerst (Martin Dürst)
- Related to Feature #10085: Add non-ASCII case conversion to String#upcase/downcase/swapcase/capitalize added