

## Ruby master - Bug #13269

### test/readline/test\_readline.rb and mingw

03/02/2017 03:41 PM - MSP-Greg (Greg L)

<b>Status:</b>	Assigned	
<b>Priority:</b>	Normal	
<b>Assignee:</b>	nobu (Nobuyoshi Nakada)	
<b>Target version:</b>		
<b>ruby -v:</b>	ruby 2.5.0dev (2017-03-02 trunk 57755) [x64-mingw32]	<b>Backport:</b> 2.2: UNKNOWN, 2.3: UNKNOWN, 2.4: UNKNOWN

#### Description

When running test-all on a mingw build, [test\\_readline.rb](#) generates failures and errors. Several of the errors are due to the `with_temp_stdio` method in `test_readline.rb`. It also leaves several undeleted files in the temp dir.

Current link is: [TestReadline#with\\_temp\\_stdio](#)

The current code is:

```
def with_temp_stdio
  Tempfile.create("test_readline_stdin") {|stdin|
    Tempfile.create("test_readline_stdout") {|stdout|
      yield stdin, stdout
    }
  }
end
```

Replacing it with the following solved the problems.

```
def with_temp_stdio
  stdin = Tempfile.new("test_readline_stdin")
  stdout = Tempfile.new("test_readline_stdout")
  yield stdin, stdout
  if stdout
    stdout.closed? ? stdout.unlink : stdout.close!
  end
  if stdin
    stdin.closed? ? stdin.unlink : stdin.close!
  end
end
```

I can only test on Windows, but I assume the changed code would work on other os's. If someone could test it, I'd submit a PR. Maybe the code in `Tempfile::Remover` is really where the change should occur, but I haven't looked at that.

After this update, I only had one failure and three errors. Text below.

Odd thing for two errors it that they report `NoMethodError: undefined method assert_separately`, but the highlighted line is `return if assert_under_utf8`. I didn't do an exhaustive search, but I can't find a reference to that function. But, I'm pulling the test files out of ruby and running separately...

```
Failure: test_input_metachar(TestReadline)
D:/r_test/Readline/test_readline.rb:420:in `test_input_metachar'
   417:      wo = w.dup
   418:      wo.write("\C-re\ef\n")
   419:    end
=> 420:      assert_equal("hello", line, bug6601)
   421:    ensure
   422:      wo.close
   423:      Readline.delete_text
[ruby-core:45682]
<"hello">(UTF-8) expected but was
<"hfello">(IBM437)
```

```

diff:
? hfello

? Encoding: UTF-8
?      IBM437
=====
Error: test_input_metachar_multibyte(TestReadline):
  NoMethodError: undefined method `assert_separately' for #<TestReadline:0x00000003bcfef0>
  Did you mean?  assert_empty
D:/r_test/Readline/test_readline.rb:618:in `assert_under_utf8'
D:/r_test/Readline/test_readline.rb:429:in `test_input_metachar_multibyte'
   426:
   427:   def test_input_metachar_multibyte
   428:     unless Encoding.find("locale") == Encoding::UTF_8
=> 429:       return if assert_under_utf8
   430:       skip 'this test needs UTF-8 locale'
   431:     end
   432:     bug6602 = '[ruby-core:45683]'
=====
Error: test_refresh_line(TestReadline):
  NoMethodError: undefined method `assert_ruby_status' for #<TestReadline:0x00000003bcf6f8>
  Did you mean?  assert_raises
D:/r_test/Readline/test_readline.rb:459:in `block (2 levels) in test_refresh_line'
   456:   bug6232 = '[ruby-core:43957] [Bug #6232] refresh_line after set_screen_size'
   457:   with_temp_stdio do |stdin, stdout|
   458:     replace_stdio(stdin.path, stdout.path) do
=> 459:       assert_ruby_status(%w[-rreadline -], <<-'end; ', bug6232)
   460:       Readline.set_screen_size(40, 80)
   461:       Readline.refresh_line
   462:     end;
D:/r_test/Readline/test_readline.rb:567:in `block (2 levels) in replace_stdio'
D:/r_test/Readline/test_readline.rb:557:in `open'
D:/r_test/Readline/test_readline.rb:557:in `block in replace_stdio'
D:/r_test/Readline/test_readline.rb:556:in `open'
D:/r_test/Readline/test_readline.rb:556:in `replace_stdio'
D:/r_test/Readline/test_readline.rb:458:in `block in test_refresh_line'
D:/r_test/Readline/test_readline.rb:583:in `with_temp_stdio'
D:/r_test/Readline/test_readline.rb:457:in `test_refresh_line'
=====
Error: test_using_quoting_detection_proc_with_multibyte_input(TestReadline):
  NoMethodError: undefined method `assert_separately' for #<TestReadline:0x00000003bcf2c0>
  Did you mean?  assert_empty
D:/r_test/Readline/test_readline.rb:618:in `assert_under_utf8'
D:/r_test/Readline/test_readline.rb:517:in `test_using_quoting_detection_proc_with_multibyte_input'
   514:   saved_completer_word_break_characters = Readline.completer_word_break_characters
   515:   return unless Readline.respond_to?(:quoting_detection_proc=)
   516:   unless Encoding.find("locale") == Encoding::UTF_8
=> 517:     return if assert_under_utf8
   518:     skip 'this test needs UTF-8 locale'
   519:   end
   520:

```

## History

### #1 - 03/02/2017 10:32 PM - MSP-Greg (Greg L)

- ruby -v set to ruby 2.5.0dev (2017-03-02 trunk 57775) [x64-mingw32]

### #2 - 03/02/2017 10:33 PM - MSP-Greg (Greg L)

- ruby -v changed from ruby 2.5.0dev (2017-03-02 trunk 57775) [x64-mingw32] to ruby 2.5.0dev (2017-03-02 trunk 57755) [x64-mingw32]

### #3 - 03/13/2017 08:56 AM - shyouhei (Shyouhei Urabe)

- Assignee set to nobu (Nobuyoshi Nakada)

- Status changed from Open to Assigned