

Ruby - Bug #21313

`it` in rescue/ensure on prism

05/06/2025 07:45 PM - ko1 (Koichi Sasada)

|                        |                                                                    |                                                        |
|------------------------|--------------------------------------------------------------------|--------------------------------------------------------|
| <b>Status:</b>         | Closed                                                             |                                                        |
| <b>Priority:</b>       | Normal                                                             |                                                        |
| <b>Assignee:</b>       | prism                                                              |                                                        |
| <b>Target version:</b> |                                                                    |                                                        |
| <b>ruby -v:</b>        | "ruby 3.4.1 (2024-12-25 revision 48d4efcb85) +PRISM [wasm32-wasi]" | <b>Backport:</b> 3.2: UNKNOWN, 3.3: UNKNOWN, 3.4: DONE |

**Description**

```
1.times do
  raise
rescue
  p it
  #=> prism: false
  #=> parse.y: 0
end
```

it should return 0, shouldn't it?

demo:

parse.y:

[https://ruby.github.io/play-ruby/?code=p+RUBY\\_DESCRIPTION%0A%0A1.times+do%0A++raise%0Arescue%0A++p+it%0Aend%0A&options=%7B%22arguments%22%3A%5B%22--parser%3Dparse.y%22%5D%2C%22env%22%3A%7B%7D%7D](https://ruby.github.io/play-ruby/?code=p+RUBY_DESCRIPTION%0A%0A1.times+do%0A++raise%0Arescue%0A++p+it%0Aend%0A&options=%7B%22arguments%22%3A%5B%22--parser%3Dparse.y%22%5D%2C%22env%22%3A%7B%7D%7D)

prism:

[https://ruby.github.io/play-ruby/?code=p+RUBY\\_DESCRIPTION%0A%0A1.times+do%0A++raise%0Arescue%0A++p+it%0Aend%0A&options=%7B%22arguments%22%3A%5B%5D%2C%22env%22%3A%7B%7D%7D](https://ruby.github.io/play-ruby/?code=p+RUBY_DESCRIPTION%0A%0A1.times+do%0A++raise%0Arescue%0A++p+it%0Aend%0A&options=%7B%22arguments%22%3A%5B%5D%2C%22env%22%3A%7B%7D%7D)

Same on ensure.

```
1.times do
  raise
ensure
  p it #=> prism: false
  #=> parse.y: 0
end
```

```
1.times do
  begin
    raise
  ensure
    p it #=> prism: false
    #=> parse.y: 0
  end
end
```

Associated revisions

Revision 4921845b - 05/16/2025 03:17 PM - nicholasdower (Nick Dower)

[Bug #21313] Handle it in rescue and ensure blocks.

The following is crashing for me:

```
ruby --yjit --yjit-call-threshold=1 -e '1.tap { raise rescue p it }'
```

```
ruby: YJIT has panicked. More info to follow...
thread '<unnamed>' panicked at ./yjit/src/codegen.rs:2402:14:
...
```

It seems it sometimes points to the wrong value:

```
ruby -e '1.tap { raise rescue p it }'  
false
```

```
ruby -e '1.tap { begin; raise; ensure; p it; end } rescue nil'  
false
```

But only when \$! is set:

```
ruby -e '1.tap { begin; nil; ensure; p it; end }'  
1
```

```
ruby -e '1.tap { begin; nil; rescue; ensure; p it; end }'  
1
```

```
ruby -e '1.tap { begin; raise; rescue; ensure; p it; end }'  
1
```

#### Revision 1f6d8450 - 09/16/2025 08:36 PM - nicholasdower (Nick Dower)

[Bug #21313] Handle it in rescue and ensure blocks.

The following is crashing for me:

```
ruby --yjit --yjit-call-threshold=1 -e '1.tap { raise rescue p it }'  
  
ruby: YJIT has panicked. More info to follow...  
thread '<unnamed>' panicked at ./yjit/src/codegen.rs:2402:14:  
...
```

It seems it sometimes points to the wrong value:

```
ruby -e '1.tap { raise rescue p it }'  
false
```

```
ruby -e '1.tap { begin; raise; ensure; p it; end } rescue nil'  
false
```

But only when \$! is set:

```
ruby -e '1.tap { begin; nil; ensure; p it; end }'  
1
```

```
ruby -e '1.tap { begin; nil; rescue; ensure; p it; end }'  
1
```

```
ruby -e '1.tap { begin; raise; rescue; ensure; p it; end }'  
1
```

## History

---

### #1 - 05/12/2025 11:16 PM - hsbt (Hiroshi SHIBATA)

- Status changed from Open to Assigned

### #2 - 05/16/2025 05:03 AM - nicholasdower (Nick Dower)

I encountered this issue today and attempted a fix: <https://github.com/ruby/ruby/pull/13360>

I hope that was appropriate.

### #3 - 06/03/2025 06:23 AM - mame (Yusuke Endoh)

- Status changed from Assigned to Closed

### #4 - 09/16/2025 08:35 PM - rwstauner (Randy Stauner)

I created a backport PR with this fix to 3.4 as <https://github.com/ruby/ruby/pull/14573>

### #5 - 09/16/2025 08:38 PM - rwstauner (Randy Stauner)

- Backport changed from 3.2: UNKNOWN, 3.3: UNKNOWN, 3.4: UNKNOWN to 3.2: UNKNOWN, 3.3: UNKNOWN, 3.4: DONE

### #6 - 09/16/2025 08:39 PM - rwstauner (Randy Stauner)

- Backport changed from 3.2: UNKNOWN, 3.3: UNKNOWN, 3.4: DONE to 3.2: UNKNOWN, 3.3: UNKNOWN, 3.4: REQUIRED

**#7 - 09/16/2025 08:43 PM - k0kubun (Takashi Kokubun)**

- Backport changed from 3.2: UNKNOWN, 3.3: UNKNOWN, 3.4: REQUIRED to 3.2: UNKNOWN, 3.3: UNKNOWN, 3.4: DONE

ruby\_3\_4 [1f6d845011cf8900c0e9c6fe5e4243a63a5ecae3](#).