

DAY 2

STACK
TRACES
ARE SCARY





STACK TRACES

DEFINITELY SCARY

We have covered that computers can be real pedantic assholes, right?

Stack traces are how they make sure you don't forget.

STACK TRACES

DEFINITELY SCARY

```
1.9.3-p194 :019 > b/a
=> 0
1.9.3-p194 :020 > a = 3
=> 3
1.9.3-p194 :021 > b = 0
=> 0
1.9.3-p194 :022 > b/a
=> 0
1.9.3-p194 :023 > a/b
ZeroDivisionError: divided by 0
  from (irb):23:in `/'
  from (irb):23
  from /Users/elizabrock/.rvm/rubies/ruby-1.9.3-p194/bin/irb:16:in
`<main>'
```

Not so bad, right?

STACK TRACES

DEFINITELY SCARY

```
1.9.3-p0 :005 > Net::HTTP.get('foo', 'bar')  
NameError: uninitialized constant Net  
  from (irb):5  
  from /Users/eliza/.rvm/rubies/ruby-1.9.3-p0/bin/irb:16:in `<main>'
```

What now?..

STACK TRACES

DEFINITELY SCARY

```
1.9.3-p0 :006 > require 'net/http'  
=> true  
1.9.3-p0 :007 > Net::HTTP.get('foo', 'bar')
```

STACK TRACES

DEFINITELY SCARY

```
a, b = 1, nil
b.size
NoMethodError: undefined method `size' for nil:NilClass
  from (irb):15
  from /Users/eliza/.rvm/rubies/ruby-1.9.3-p0/bin/irb:16:in `'
```

What now?..



STACK TRACES

DEFINITELY SCARY

```
a, b = 1, nil
```

```
if b == nil  
  0  
else  
  b.size  
end
```

```
-better, yet:-
```

```
b.size if b.respond_to?(:size)
```

STACK TRACES

DEFINITELY SCARY

```
1.9.3-p194 :012 > my_string = "  my crazy string  "
=> "  my crazy string  "
1.9.3-p194 :013 > my_string.strip(" ")
ArgumentError: wrong number of arguments(1 for 0)
  from (irb):13:in `strip'
  from (irb):13
  from /Users/elizabrock/.rvm/rubies/ruby-1.9.3-p194/bin/irb:16:in `<main>'
```

What now?..

STACK TRACES

DEFINITELY SCARY

```
1.9.3-p194 :014 > my_string = "  my crazy string  "  
=> "    my crazy string    "  
1.9.3-p194 :015 > my_string.strip  
=> "my crazy string"
```

STACK TRACES

DEFINITELY SCARY

```
1.9.3-p194 :005 > arr =["Bluebeard", "Blackbeard", "Jack"]  
=> ["Bluebeard", "Blackbeard", "Jack"]  
1.9.3-p194 :009 > arr.fetch(1)  
=> "Blackbeard"  
1.9.3-p194 :010 > arr.fetch(4)  
IndexError: index 4 outside of array bounds: -3...3  
  from (irb):10:in `fetch'  
  from (irb):10  
  from /Users/elizabrock/.rvm/rubies/ruby-1.9.3-p194/bin/irb:16:in `<main>'
```

What now?..

STACK TRACES

DEFINITELY SCARY

```
1.9.3-p194 :005 > arr =["Bluebeard", "Blackbeard", "Jack"]  
=> ["Bluebeard", "Blackbeard", "Jack"]  
1.9.3-p194 :006 > arr[4]  
=> nil
```

Still weird, though.



STACK TRACES

BONUS ROUND

```
1.9.3-p0 :001 > require 'tab_delimited_importer'  
SyntaxError: /Users/keith/snip/lib/tab_delimited_importer.rb:19: syntax  
error, unexpected $end, expecting keyword_end  
    from /Users/keith/.rvm/gems/ruby-1.9.3-p0/gems/activesupport-3.2.8/lib/  
active_support/dependencies.rb:251:in `require'
```




MOVING ON

??

Who has to use ``sudo`` with Ruby right now?