#### RARE AND OBSCURE RUBY

by Jonathan Arnett (J3RN)

#### **RUBY 2 KEYWORD ARGUMENTS**

## NOT USING KEYWORD ARGUMENTS

```
def foo(options = {})
  bar = options.fetch(:bar, 'default')
  puts bar
end

foo
# default
foo(bar: 'baz')
# baz
```

#### **REAL WORLD EXAMPLE**

(Tmuxinator)

#### **KEYWORD ARGUMENTS**

```
def foo(bar: 'default')
  puts bar
end

foo
# default
foo(bar: 'baz')
# baz
```

## RUBY 2.1 REQUIRED KEYWORD ARGUMENTS

```
def foo(bar:)
  puts bar
end

foo # => ArgumentError: missing keyword: bar
foo(bar: 'baz')
# baz
```

## KEYWORD ARGUMENTS ARE GOOD!

Use them in your code.

### BLOCKS, PROCS, AND LAMBDAS



#### **BLOCKS**

```
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test "anything makes sense these days" do
   assert true == true
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square.call(5) #=> 25
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square.call(5) #=> 25
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#### LAMBDAS

```
square = lambda { |x| x ** 2 }
square.call(5)  #=> 25
```

### THE PLOT THICKENS...

```
# Block
[1, 2, 3, 4].map { |x, y, z| x ** 2 } #=> [1, 4, 9, 16]
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# Lambda
lambda { |x| x ** 2 }.call(2, 3, 4) #=> ArgumentError: wrong
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lambda { |x| x ** 2 }.call(2, 3, 4) #=> ArgumentError: wrong
```

Arity checking is good. Use lambdas.

#### **BLOCK TO PROC CONVERSION**

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def foo(&block)
  block.inspect
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This is a thing that you can do.

It is physically possible to do this in your code.

### PROC/LAMBDA CLOSURES

```
def raise_to_power(power)
  lambda { |base| base ** power }
end

cube = raise_to_power(3)
cube.call(4) #=> 64
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Why would you use this in your code?

#### PROC METHOD RETURNS

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   Proc.new { return }.call
   "Hello, world!"
end

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def foo
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end

foo #=> nil
```

This only works for procs.

Please don't use this in your code.

# THE:: NAMESPACE RESOLUTION OPERATOR

```
class Foobar; end
module Barbaz
  class Foobar; end

Foobar #=> Barbaz::Foobar
  ::Foobar #=> Foobar
end
```

#### THE PLOT DOESN'T THICKEN

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I'm just curious what caused you to need this.

### CASE EQUALITY



#### **GENERAL EXAMPLE**

```
class Foo
  def ===(obj)
    obj == 1
  end
end

foo = Foo.new
foo === 1 #=> true
foo == 1 #=> false
```

#### CASE STATEMENT

```
case 1
when foo
  puts "Everything is weird"
else
  puts "Everything is broken"
end
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# Everything is weird

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 In Ruby, there's equal?, eql?, ==, and ===. They all do different things. This will, one day, drive someone insane. Make sure it's not you.

# HASH EQUALITY .EQL?

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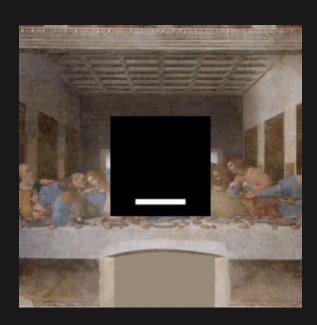
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- The primary exceptions are Numeric types, in which == does type conversion, but eql? does not.
   No. I don't think so. Let's not.

# THE LAST VALUE



Person.last #=> #<Person id: 5894674, name-last: "Nunez" ...>

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nunez = \_ #=> #<Person id: 5894674, name-last: "Nunez" ...>

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- In files, is just a normal variable.
- Don't use as a variable in your code

## **METHOD MISSING**

```
class Foobar
  def method_missing(name)
    name.to_s
  end
end

foo = Foobar.new
foo.supercalifragilisticexpialidocious #=> "supercalifragilist
```

 respond\_to does not understand method\_missing.

foo.respond\_to?(:supercalifragilisticexpialidocious) #=> fa

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A developer searching for

```
def supercalifragilisticexpialidocious
```

will never find it.

 respond\_to does not understand method\_missing.

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foo.respond_to?(:supercalifragilisticexpialidocious) #=> fa
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will never find it.

Try not to use method missing in your code.

# NIL PIPE

# THE "TRUTHINESS" OPERATOR

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## THE PLOT GETS NO THICKER

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Why would you use this in your code?

