

Ruby Koans The Path to Ruby Enlightenment

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Who are Koans for?

Know little (or nothing) about Ruby

- Have a background in some other language
 - (Java, C#, Python, etc)

Structure

- about_array_assignment.rb
- 🚠 about_arrays.rb
- about_asserts.rb
- about_blocks.rb
- about_class_methods.rb
- about_classes.rb
- about_constants.rb
- about_control_statements.rb
- about_dice_project.rb
- about_exceptions.rb
- about_extra_credit.rb
- about_hashes.rb
- about_inheritance.rb
- about_iteration.rb
- about_message_passing.rb
- about_methods.rb
- about_modules.rb
- about_nil.rb
- about_open_classes.rb

Each file focuses on one area of the Ruby language.

```
require 'edgecase'
class AboutArrays < EdgeCase::Koan</pre>
  def test_creating_arrays
    empty_array = Array.new
    assert_equal Array, empty_array.class
    assert_equal __, empty_array.size
  end
end
```

```
require 'edgecase'
class AboutArrays < EdgeCase::Koan
  def test_creating_arrays
    empty_array = \frac{1}{2}rray.new
    assert_equal Array, empty_array.class
    assert_equal __, empty_array.size
  end
                Magic Incantation
```

```
require 'edgecase'
class AboutArrays < EdgeCase::Koan
 def test_creating_arrays
    empty_array = Array.new
    assert_equal Alray, empty_array.class
    assert_equal __, empty_array.size
  end
                     Koan Category
```

```
require 'edgecase'
class AboutArrays < EdgeCase::Koan
 def test_creating_arrays
    empty_array Array.new
    assert_equal Array, empty_array.class
    assert_equal __, empty_array.size
  end
                  Specific Koan
```

```
require 'edgecase'
class AboutArrays < EdgeCase::Koan
 def test_creating_arrays
    empty_array = Array.new
   assert_equal Array, empty_array.class
   assert_equal __, empty_array.size
  end
                           Assertions
```

```
require 'edgecase'
class AboutArrays < EdgeCase::Koan
 def test_creating_arrays
   empty_array = Array.new
   assert_equal Array, empty_array.class
   assert qual __, empty_array.size
  end
              Some Assertions Just pass
```

```
require 'edgecase'

class AboutArrays < EdgeCase::Koan

def test_creating_arrays
   empty_array = Array.new
   assert_equal Array, empty_array.class</pre>
```

... Most Assertions need User Input

assert_equal __, empty_array.size

end

```
require 'edgecase'
class AboutArrays < EdgeCase::Koan
 def test_creating_arrays
   empty_array = Array.new
   assert_equal Array, empty_array.class
   assert_equal 0, empty_array.size
  end
  ... Most Assertions need User Input
```

```
def test_something
    ...
end

def test_something_else
    ...
end
```

Normally koans will be listed without breaks

```
class Dog
end
def test_something_about_dog
end
def test_something_else_about_dog
end
```

If the several koans are related to something defined outside a koan, they will be visually grouped.

```
# THINK ABOUT IT:
#
# Is it better to use
# obj.nil?
# or
# obj == nil
# Why?
```

Sometimes you are just asked to think about an aspect of what you just learned.

path_to_enlightenment.rb

The path to Ruby Enlightenment starts with the
following:

```
require 'about_basics'
require 'about_nil'
require 'about_arrays'
require 'about_array_assignment'
require 'about_hashes'
require 'about_methods'
require 'about_control_statements'
require 'about_true_and_false'
...
```



You Will Need

- Working version of Ruby
- The Ruby Koans folder
- Some kind of a text editor

```
hungryzi@air ~/Workspace/koans $ ruby path_to_enlightenment.rb
AboutAsserts#test_assert_truth has damaged your karma.

The Master says:
You have not yet reached enlightenment.
Do not lose hope.

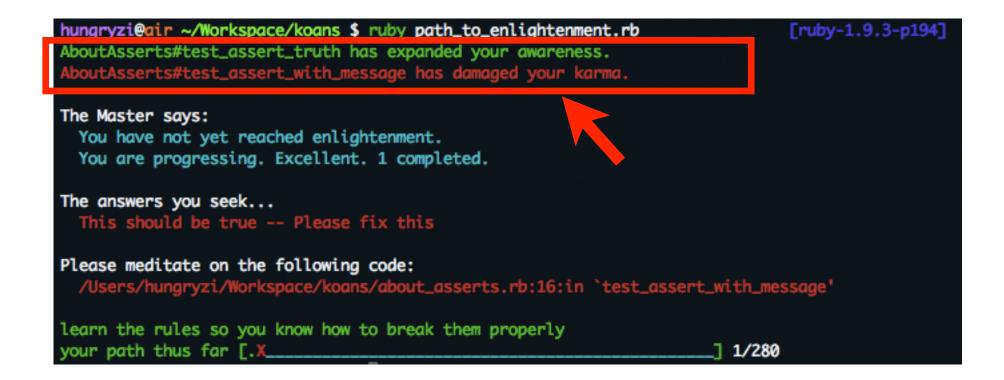
The answers you seek...
Failed assertion, no message given.

/Users/hungryzi/Workspace/koans/about_asserts.rb:10:in `test_assert_truth'

mountains are merely mountains
your path thus far [X________] 0/280
```

```
class AboutAsserts < EdgeCase::Koan</pre>
    # We shall contemplate truth by testing reality, via asserts.
    def test_assert_truth
                              # This should be true
      assert false
11
    end
12
13
    # Enlightenment may be more easily achieved with appropriate
14
    # messages.
    def test_assert_with_message
      assert false, "This should be true -- Please fix this"
16
    end
17
```

```
class AboutAsserts < EdgeCase::Koan</pre>
    # We shall contemplate truth by testing reality, via asserts.
    def test assert truth
       assert false
                                    # This should be true
     end
12
    # Enlightenment may be more easily achieved with appropri
13
    # messages.
14
    def test_assert_with_message
       assert false, "This should be true -- Please fix this"
16
    end
17
```





We are here to help!