# Metaprogramming
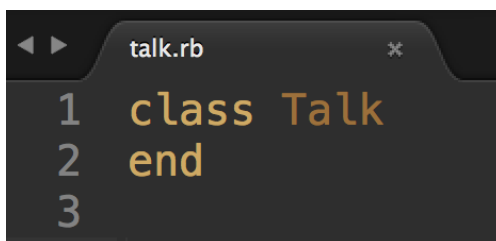
1) Use the metaprogramming technique called 'Open Class' and make all instances of the String class respond to the method **to_awesome_string**. The method **to_awesome_string** prepends the value of the string with the word "awesome".

Example:

```
irb(main):001:0> "rubears".to_awesome_string
=> "awesome rubears"
irb(main):002:0>
```

2) Given this class:

```
talk.rb
1  class Talk
2  end
3
```

Modify it such that it will do:

```
→  metaprogramming irb -r ./talk.rb
irb(main):001:0> t = Talk.new
=> #<Talk:0x007ff4e2907480>
irb(main):002:0> t.english
=> "Speaking in english"
irb(main):003:0> t.spanish
=> "Speaking in spanish"
irb(main):004:0>
```

Wednesday, January 25, 2017

3) Create a class Variable that accepts an instance variable name and a value on initialization. The instance of the class Variable should then be able to retrieve the value of the instance variable used.

To illustrate:

```
→  metaprogramming irb -r ./variable.rb
irb(main):001:0> v = Variable.new("@name", "Ruby")
=> #<Variable:0x007fabf8904cb8 @name="Ruby">
irb(main):002:0> v.name
=> "Ruby"
irb(main):003:0> v = Variable.new("@last_name", "Rails")
=> #<Variable:0x007fabf895caa8 @last_name="Rails">
irb(main):004:0> v.last_name
=> "Rails"
irb(main):005:0> 
```

2