
Ruby Monstas



Session 6

Agenda

- Interactive Recap
- Errors (Ferdinand)
- Boolean Operators (Fabian & Thomas)
- Exercises



Coming up

- Symbols
 - Project?
 - Object Oriented Programming?
 - Something else?
-

Interactive Recap

Interactive error message exercise

Syntax error

- Occurs before actually executing your code
- Your Ruby file does not adhere to the syntax rules of Ruby
- Syntax highlighting can help avoid these errors

```
def break_words(stuff)
  words = stuff.split(' ')
  return words
ed
```

session-6-error-exercise-solution.rb:85: syntax error,
unexpected end-of-input, expecting keyword_end

Syntax error

```
[1, 2, 3].each  
  puts integer  
end
```

session-6-error-exercise-solution.rb:60: syntax error,
unexpected keyword_end, expecting end-of-input

Runtime errors

- Occurs during execution of your code
- Includes a backtrace
- Logic, naming, unexpected input, ...

```
def criticise_user_name(name)
  proper_name_length = 9

  if name.length == proper_name_length
    puts "Now that's a proper name!"
  else
    puts "This name is too long or too short!"
  end
end
```

```
session-6-error-exercise-syntax-fixed.rb:54:in `criticise_user_name': undefined local variable or method
`els' for main:Object (NameError)
```

```
from session-6-error-exercise-syntax-fixed.rb:97:in `'
```

Boolean Operators

Not

```
if !condition
```

```
    # the condition is false
```

```
end
```

```
if condition1 != condition2
```

```
    # condition1 and condition2 are not equal
```

```
end
```

condition is a **boolean**.

Not: example

```
irb(main):001:0> name = "John"
```

```
=> "John"
```

```
irb(main):002:0> is_guest = false
```

```
=> false
```

```
irb(main):003:0> if !is_guest
```

```
irb(main):004:1>   puts "Welcome back, #{name}"
```

```
irb(main):005:1> end
```

```
Welcome back, John
```

```
=> nil
```

AND

```
if condition1 && condition2
  # condition1 and condition2 are true
end
```

condition is a **boolean**.

AND: example

```
irb(main):001:0> age = 26
```

```
=> 26
```

```
irb(main):002:0> if age > 25 && age < 50
```

```
irb(main):003:1>   puts "Your age is between 25 and 50"
```

```
irb(main):004:1> end
```

```
Your age is between 25 and 50
```

```
=> nil
```

OR

```
if condition1 || condition2
```

```
  # condition1 or condition2 is true, or both are true
```

```
end
```

condition is a **boolean**.

OR: example

```
irb(main):001:0> name = "root"
=> "root"
irb(main):002:0> is_admin = true
=> true
irb(main):003:0> if name == "root" || is_admin
irb(main):004:1>   puts "You have super powers!"
irb(main):005:1> end
You have super powers!
=> nil
```

Time to practice



Let's get to it!
