Ruby Monstas

Session 12

Agenda

- Recap / Questions
- The Ruby Standard Library
- Exercises

Recap

Example: Class Person

```ruby
class Person
  def initialize(name, year_born)
    @name      = name
    @year_born = year_born
  end

  def name
    @name
  end

  def age
    CURRENT_YEAR - @year_born
  end
end
```

```
irb> lucy = Person.new("Lucy", 1984)

=> #<Person:0x007f8b8289a868>


irb> lucy.name

=> "Lucy"


irb> lucy.age

=> 31
```

Example: Class Person

```ruby
class Person
  def initialize(name, year_born)
    @name      = name
    @year_born = year_born
  end

  def name
    @name
  end

  def age
    CURRENT_YEAR - @year_born
  end
end
```

```
irb> lucy = Person.new("Lucy", 1984)
```

Class

Object

Constructor

Instance Variable

Instance Method

The Ruby Standard Library

The Ruby Distribution

Ruby Distribution

Ruby Standard Library
(More advanced Classes/Features)

Ruby Core
(Strings, Symbols, Arrays, Hashes …)

Ruby Language
(Syntax)

The Ruby Standard Library

- More complex features than Ruby Core
- "Batteries included"
- A bit dated, but very solid

Network libraries

- Socket (TCP, UDP)
- Web
- E-Mail

Advanced math libraries

- Prime number generator
- Matrices
- Complex numbers

Data format libraries

- JSON
- XML
- YAML
- RSS

Many more

- Date/Time
- Simple databases
- Cryptography
- Advanced data structures
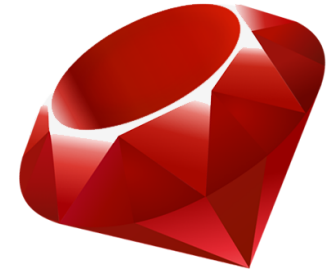- Debugging, Profiling, Introspection
- Advanced OO features

Resources

Ruby Core documentation: http://ruby-doc.org/core-2.2.3/

Ruby Standard Library documentation:

http://ruby-doc.org/stdlib-2.2.3/

Time to practice

Let's get to it!