

Crash Course: Ruby

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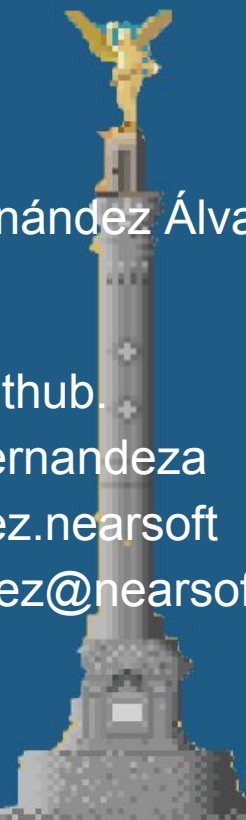
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Crash Course

- Objetivos
- Ambiente de Ruby
- Ruby vs Todo

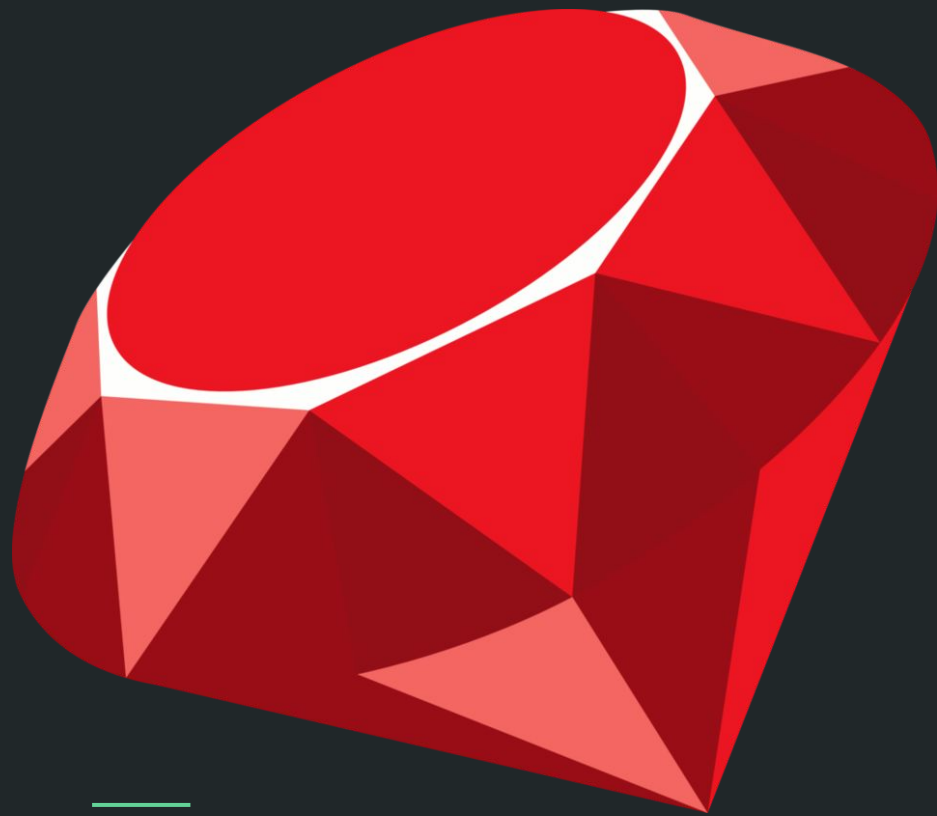


- https://github.com/Heldraug/ruby_workshop



Ruby

OOP, Bits and Bytes



```

1 string = "This is a string"
2 fixnum = 1
3 float = 1.0
4 regex = /A\d+/
5
6 array = Array.new
7 array[0] = 'element 1'
8 array[1] = 'element 2'
9
10 hash = Hash.new()
11 hash[:key_a] = 1
12 hash[:key_b] = 2

```

```
"This is a string"
```

```
1
```

```
1.0
```

```
Regex
```

```
Valid
```

```
Invalid
```

```
Array
```

```
[
```

```
  [0] "element 1",
```

```
  [1] "element 2"
```

```
]
```

```
Hash
```

```
{
```

```
  :key_a => 1,
```

```
  :key_b => 2
```

```
}
```

```
$ ruby 01_data_types.rb
```

Tipos de datos

```

1 class Badgers
2   attr_accessor :count
3
4   def initialize
5     @count = 1
6   end
7
8   def count_badgers
9     puts 'Counting badgers...'
10    (1..@count).each do |n|
11      if n % 5 == 0
12        puts "Mushroom mushroom!"
13      else
14        puts "#{n} Badger"
15      end
16    end
17  end
18 end
19
20 b = Badgers.new
21
22 puts "Current number of badgers: #{b.count}"
23 b.count_badgers
24 puts
25
26 b.count = 10
27 puts "Current number of badgers: #{b.count}"
28 b.count_badgers

```



```

Current number of badgers: 1
Counting badgers...
1 Badger

```

```

Current number of badgers: 10
Counting badgers...
1 Badger
2 Badger
3 Badger
4 Badger
Mushroom mushroom!
6 Badger
7 Badger
8 Badger
9 Badger
Mushroom mushroom!

```

```
1 puts('This is a string'.reverse)
2 puts(1.odd?)
3 puts(1.25.denominator)
4 puts(/A\d+/.match 'A01164096')
5 puts([1, 2, 3, 4, 5].shuffle)
6 puts({key_a: 1, key_b: 2}.merge({key_b: 2.5, key_c: 3}))
```

```
"gnirts a si sihT"

true

4

#<MatchData "A01164096">

[
  [0] 3,
  [1] 4,
  [2] 1,
  [3] 5,
  [4] 2
]

{
  :key_a => 1,
  :key_b => 2.5,
  :key_c => 3
}
```

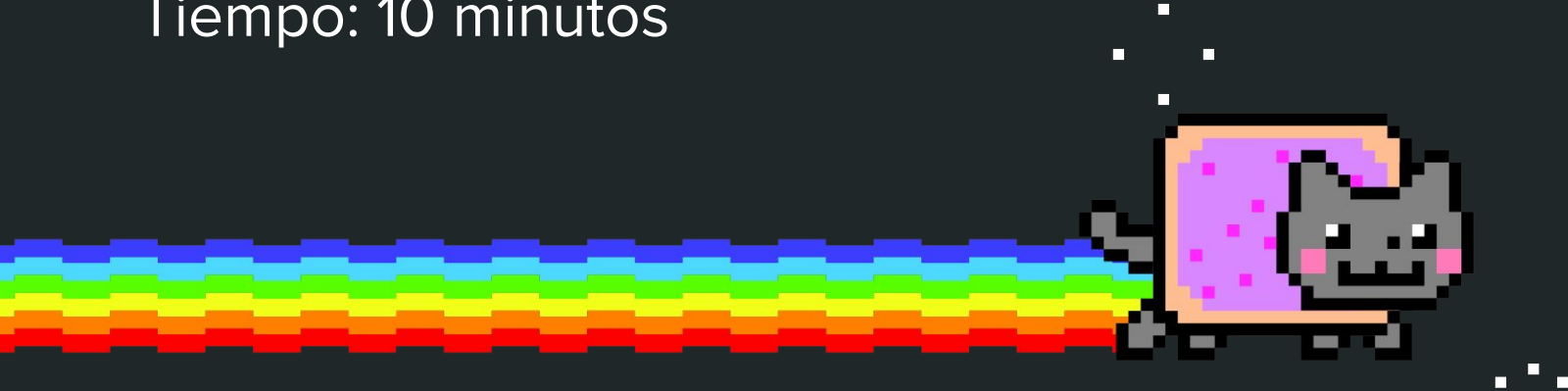
Everything is an object

```
$ ruby 02_objects.rb
```



Ejercicio 1: FizzBuzz

Tiempo: 10 minutos

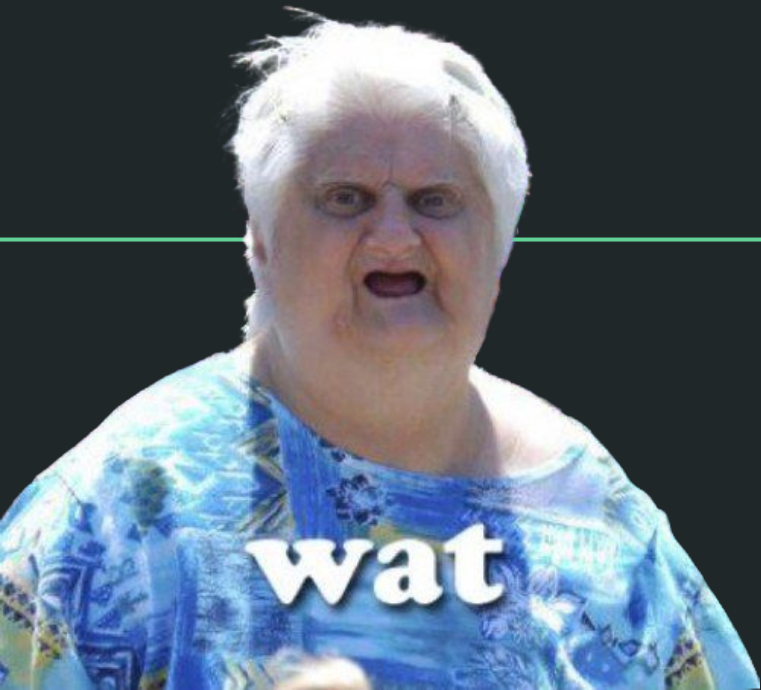


FizzBuzz

```
1 1
2 2
3 Fizz
4 4
5 Buzz
6 6
7 7
8 8
9 Fizz
10 Buzz
11 11
12 Fizz
13 13
14 14
15 FizzBuzz
```

```
$ cat fizz_buzz.txt
```

```
1
2
Fizz
4
Buzz
6
7
8
Fizz
Buzz
11
Fizz
13
14
FizzBuzz
```



Yays!

¿Preguntas?

Real World Ruby

Web Service



HTTParty

When you **HTTParty**, you must party hard!



HTTP

Verb	Description
GET	Requests a representation of the specified resource.
POST	Requests that the server accept the entity enclosed in the request as a new subordinate of the web resource.
PUT	Requests that the enclosed entity be stored under the supplied URI.
DELETE	Deletes the specified resource.

Simple Web Service

VERB	ROUTE	DESCRIPTION
GET	api/phrases.json	Gets 10 random phrases.
GET	api/phrases/random.json	Gets 1 random phrase.
GET	api/phrases/(:id).json	Gets the phrase with the required ID.
POST	api/phrases.json	Creates a new phrase.
PATCH	api/phrases/(:id).json	Updates the phrase with the required ID.
DELETE	api/phrases/(:id).json	Deletes the phrase with the required ID.

Twitter

Web Service



Twitter API

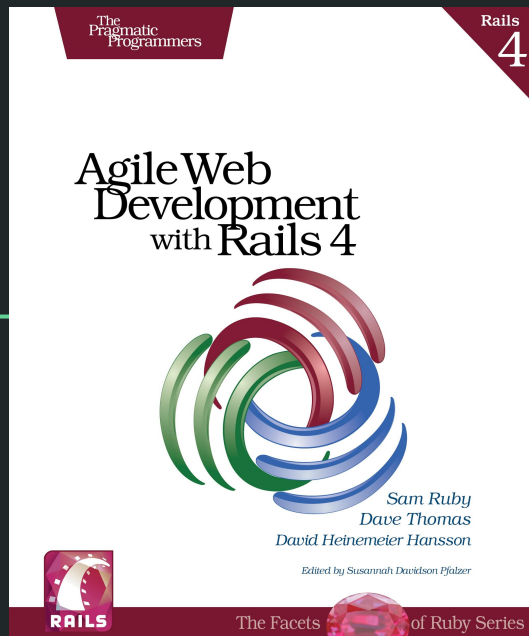
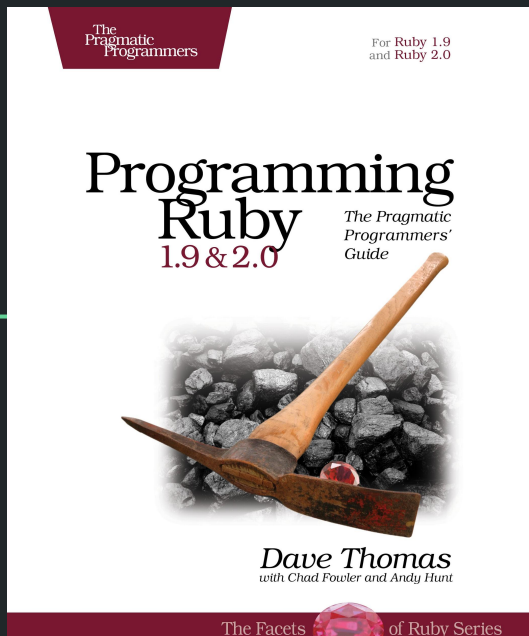
<https://dev.twitter.com/rest/public>

Action	Description
<code>/statuses/home_timeline.json</code>	Fetches the account's timeline.
<code>/statuses/user_timeline.json</code>	Fetches the account's user.
<code>/statuses/retweets_of_me.json</code>	Fetches the retweets made by the account.
<code>/statuses/update.json</code>	Posts a new tweet.

Preguntas



What's next?



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