

Pilares do Rails

Dia 1



Agenda

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- RVM
- IRB
- Funções
- Hashes
- Classes
- Gems
- Instalação Rails
- Comandos básicos do Rails
- Primeiro App com Rails
- Conhecendo as pastas do Rails
- Primeiro CRUD
- Convention over configuration - CoC
- Entendendo o MVC no Rails

Esquenta

Agenda

- Seu nome?
- De onde é?
- Trajetória?

2 minutos

RVM

Interpretada vs Compilada

Windows

- **Compilada**

Windows

[illegible]

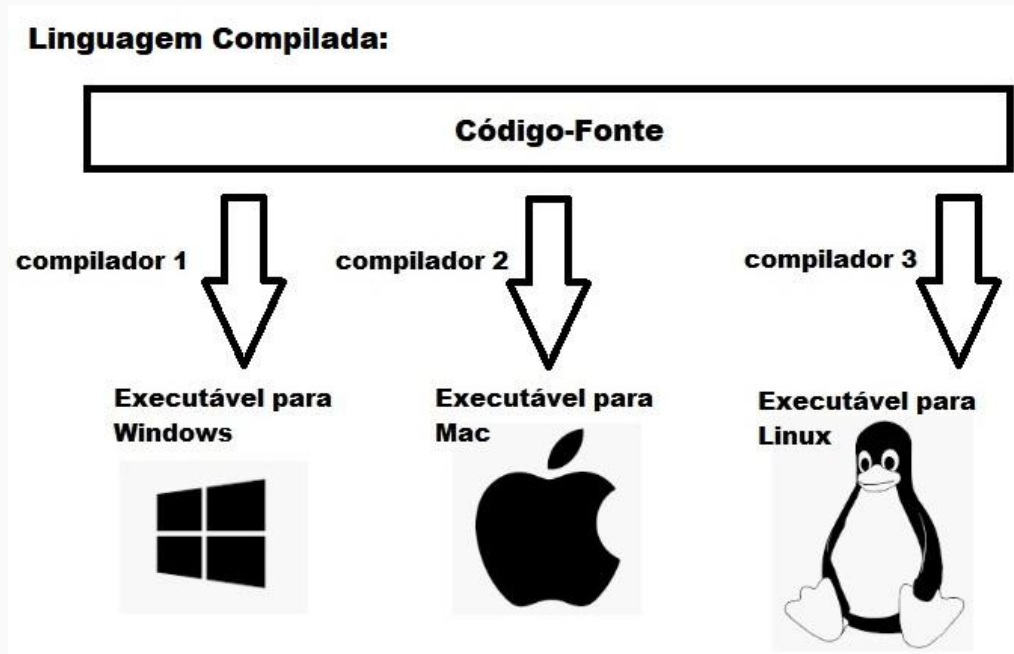
Compilador "C", GCC
> **gcc programa.c**

programa.EXE

programa.c

Interpretada vs Compilada

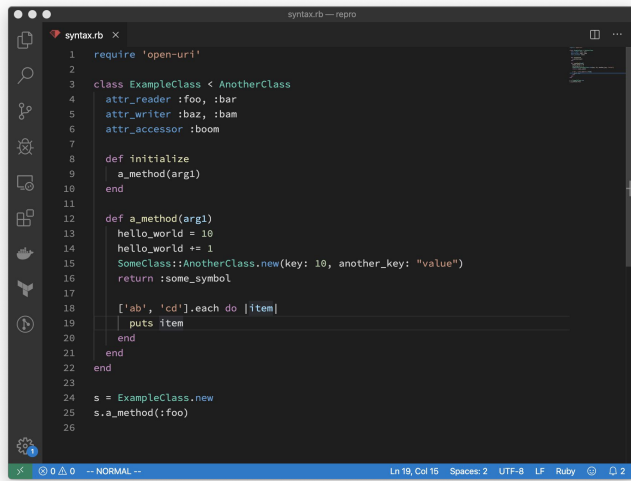
- **Compilada**



Interpretada vs Compilada

- Interpretada

Windows

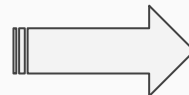


```
1 require 'open-uri'
2
3 class ExampleClass < AnotherClass
4   attr_reader :foo, :bar
5   attr_writer :baz, :bam
6   attr_accessor :boom
7
8   def initialize
9     a_method(arg1)
10  end
11
12  def a_method(arg1)
13    hello_world = 10
14    hello_world += 1
15    SomeClass::AnotherClass.new(key: 10, another_key: "value")
16    return :some_symbol
17  end
18  ['ab', 'cd'].each do |item|
19    puts item
20  end
21 end
22
23
24 s = ExampleClass.new
25 s.a_method(:foo)
26
```

programa.rb



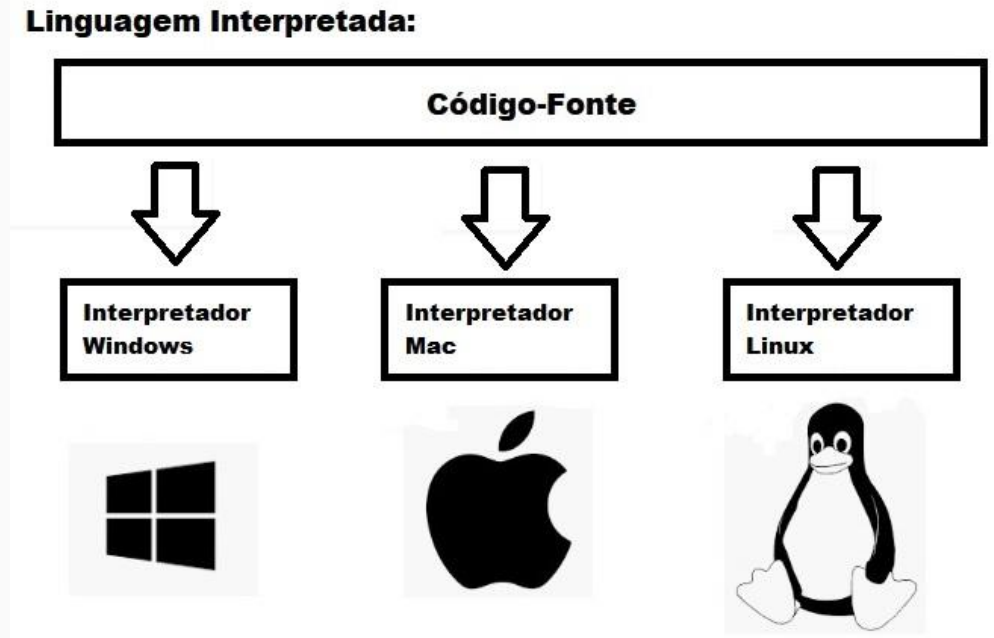
Interpretador Ruby,
MRI
> **ruby programa.rb**



hello world!

Interpretada vs Compilada

- Interpretada



Instalando o Ruby no Sistema

Instalando o Ruby no Sistema

- Ruby

- <https://www.ruby-lang.org/pt/>

- <https://www.ruby-lang.org/pt/downloads/>

S.0



3.0

Testando o Ruby

Testando o Ruby

- Ruby

- `ruby -v`

- `touch hello.rb`

- `vim`

- `puts "hello Inteligov!"`

- `ruby hello.rb`

RVM

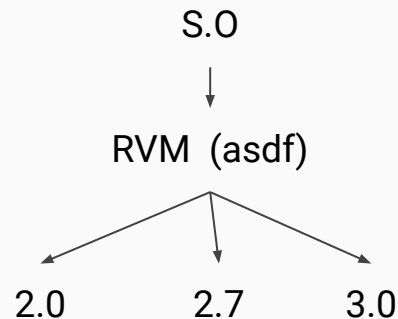
- RVM - Ruby Version Manager
 - <https://rvm.io/>

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- Comandos básicos

- `rvm -v` (versão)
 - `rvm list` (instaladas)
 - `rvm list known` (conhecidas)
 - `rvm install x.x` (instala versão)
 - `rvm use x.x`
 - `rvm --default x.x`



IRB

- **IRB - Interactive Ruby**

- <https://github.com/ruby/irb>

- <https://www.ruby-lang.org/pt/documentation/quickstart/>

- <https://www.digitalocean.com/community/tutorials/how-to-use-irb-to-explore-ruby>

VSCode

- VSCode

- <https://code.visualstudio.com/>

The logo for the 'Simple Ruby ERB' extension, featuring the words 'SIMPLE', 'RUBY', and 'ERB' in white text on a red square background.

Simple Ruby ERB v0.2.1

Victor Ortiz Heredia |  131.534 |  (5)

Provides simple Ruby and ERB language, code snippets and ERB tag helper support for Visual Stu...

Desabilitar  Desinstalar   

Esta extensão foi habilitada globalmente.

Ruby Básico

- Funções com Ruby

- o `#funcoes.rb`

- o `def say_hello`

- o `"Hello!"`

- o `end`

- o `say_hello`

- Funções com Ruby

- o `#funcoes.rb`

- o `def say_hello (name)`

- o `"Hello, {name}!"`

- o `end`

- o `say_hello("Jackson")`

- Classes com Ruby

- o `#classes.rb`

- o `class Speak`

- o `def say hello (name)`

- o `puts "Hello, {name}!"`

- o `end`

- o `end`

- o `s = Speak.new`

- o `s.say_hello("Jackson")`

- Classes com Ruby (IRB)

- `require_relative "classes"`

- `s = Speak.new`

- `s.say_hello("Jackson")`

- Hashes com Ruby

- `#hashes.rb`

- `my_string_hash = {"name": "Jackson", "lang": "Ruby"}`

- `my_rocket_hash = {"name" => "Jackson", "lang" => "Ruby"}`

- `my_symbol_hash = {name: "Jackson", lang: "Ruby"}`

Strings vs Symbols

Strings vs Symbols

- Strings vs Symbols

- <https://medium.com/@lcriswell/ruby-symbols-vs-strings-248842529fd9>
- <https://mixandgo.com/learn/ruby/symbols-vs-strings>
- # Symbols (same id)
 - `:foo_bar.object_id # => 2386588`
 - `:foo_bar.object_id # => 2386588`
 -
- # Strings (different ids)
 - `"foo bar".object_id # => 1020`
 - `"foo_bar".object_id # => 1040`

Gems

- Gems

- <https://rubygems.org/>
- https://rubygems.org/gems/lerolero_generator
- <https://rubygems.org/profiles/jacksonpires>
- <https://github.com/faker-ruby/faker>

O Rails é uma gem!

O Rails é uma gem!

- Na verdade uma metagem... :-)

- o `https://github.com/rails/rails`

- o `#instalando o rails`

- o `gem install rails` `/// -v 5.0`

- o `rails -v`

Comandos básicos do Rails

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- `https://github.com/rails/rails`

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- `rails new friends_app`

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- `rails new friends_app`

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- `rails generate scaffold Friend name:string age:integer birthday:date`

Primeiro CRUD! \o/

Comandos básicos do Rails

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- `https://github.com/rails/rails`

- `rails`

- `rails new friends_app`

- `cd friends_app`

- `rails`

- `rails generate scaffold friend name:string age:integer birthday:date`

- `rails db:create`

- `rails db:migrate`

- `rails server`

- `http://localhost:3000`

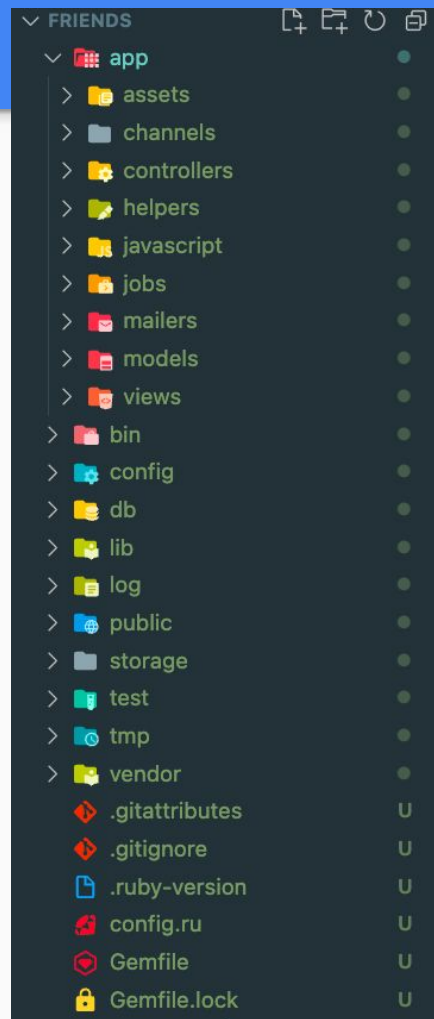
Primeiro CRUD! \o/

Conhecendo as pastas do Rails

Conhecendo as pastas do Rails

- Conhecendo as pastas do Rails

- `https://guides.rubyonrails.org/getting_started.html#creating-the-blog-application`



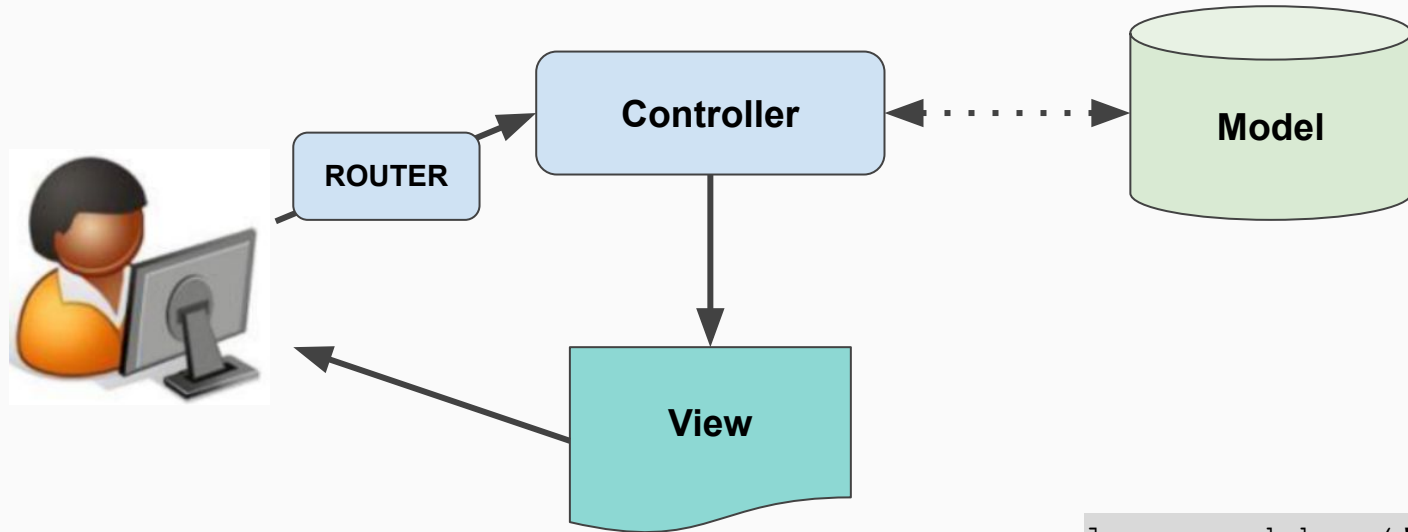
CoC

- CoC - Convention Over Configuration
 - **É um dos 9 pilares do Rails**
 - <https://rubyonrails.org/doctrine>

MVC

MVC

- MVC - Model View Controller



```
logger.debug('xyz')
```

```
puts "xyz"
```