
Ruby Monstas



Session 3

Agenda

- Interactive Recap
- More on Strings
- Hashes
- Exercises



String interpolation

- Embedding variables in strings
 - `"The result is " + speed + " km/h"`
 - `"The result is #{speed} km/h"`

String interpolation

- Embedding expressions (any ruby code) in strings
 - `"The result is " + distance / time + " km/h"`
 - `"The result is #{distance / time} km/h"`

Escape sequences

| | |
|-----------------|-----------------------|
| <code>\n</code> | Newline |
| <code>\t</code> | Tab |
| <code>\a</code> | Alarm (Bell, Beep) |
| <code>\\</code> | Backslash |
| <code>\"</code> | Double quotation mark |

print

- `print` is like `puts` without the newline!

```
irb(main):037:0> puts "Hello"
```

```
Hello
```

```
=> nil
```

```
irb(main):038:0> print "Hello"
```

```
Hello=> nil
```

Hashes

Introduction

Definition

- Collection (like Array)
 - Dictionary
 - Consists of keys and values
 - {...}
-

Creating Hashes

- with “new”

```
irb(main):001:0> dictionary = Hash.new  
=> {}
```

- directly

```
irb(main):002:0> dictionary = {}  
=> {}
```

Define Keys and Values

```
irb(main):010:0> grades = {"Luna" => 6}  
=> {"Luna"=>6}
```

Add a Key-Value Pair to Hash

```
irb(main):006:0> grades["Valerie"] = 5  
=> 5
```

```
irb(main):013:0> grades["Flavio"] = 5  
=> 5
```

Accessing a Value

```
irb(main):012:0> grades["Luna"]  
=> 6
```

Find Value

- Method: `has_value?`

```
irb(main):022:0> grades.has_value?(5)  
=> true
```

Access Keys and Values

```
irb(main):015:0> grades.keys  
=> ["Luna", "Valerie", "Flavio"]
```

```
irb(main):016:0> grades.values  
=> [6, 5, 5]
```

Delete from Hash

- Method: delete

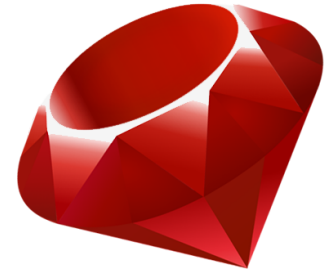
```
irb(main):018:0> grades.delete("Flavio")  
=> 5
```

```
irb(main):019:0> grades.keys  
=> ["Luna", "Valerie"]
```

More Hash Methods

<http://ruby-doc.org/core-2.2.0/Hash.html>

Time to practice



Let's get to it!
