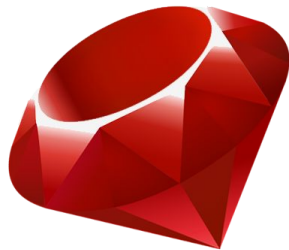

Ruby Monstas



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> puts "Hello"
```

```
Hello
```

```
=> nil
```

```
irb> print "Hello"
```

```
Hello=> nil
```

Hashes

Introduction

Definition

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

Creating Hashes

- with “new”

```
irb> dictionary = Hash.new  
=> {}
```

- directly

```
irb> dictionary = {}  
=> {}
```

Define Keys and Values

```
irb> grades = {"Luna" => 6}  
=> {"Luna"=>6}
```

Add a Key-Value Pair to Hash

```
irb> grades["Valerie"] = 5
```

```
=> 5
```

```
irb> grades["Flavio"] = 5
```

```
=> 5
```

Accessing a Value

```
irb> grades["Luna"]  
=> 6
```

Find Value

- Method: `has_value?`

```
irb> grades.has_value?(5)  
=> true
```

Access Keys and Values

```
irb> grades.keys
```

```
=> ["Luna", "Valerie", "Flavio"]
```

```
irb> grades.values
```

```
=> [6, 5, 5]
```

Delete from Hash

- Method: delete

```
irb> grades.delete("Flavio")  
=> 5
```

```
irb> grades.keys  
=> ["Luna", "Valerie"]
```

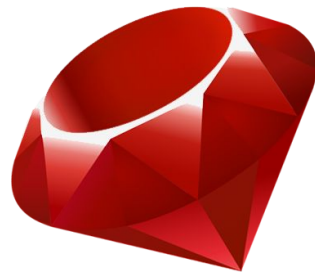
More Hash Methods

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

Coming up

- Boolean operators
 - Control structures
 - Functions
-

Time to practice



Let's get to it!
