Juggling Collections

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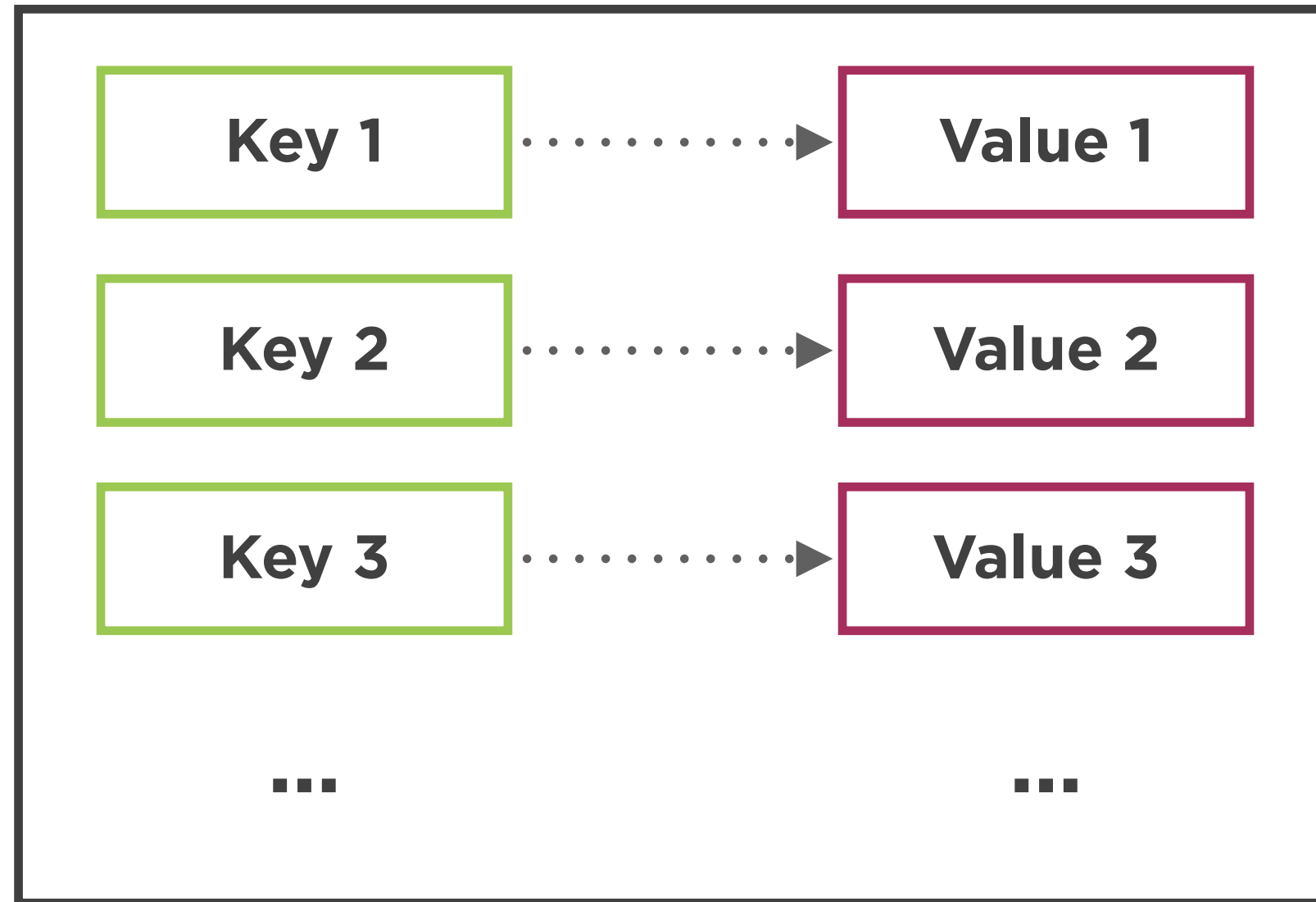FREELANCE DEVELOPER

@nusco

The Basics of Arrays

Ruby gives you more than one way to do the same thing.
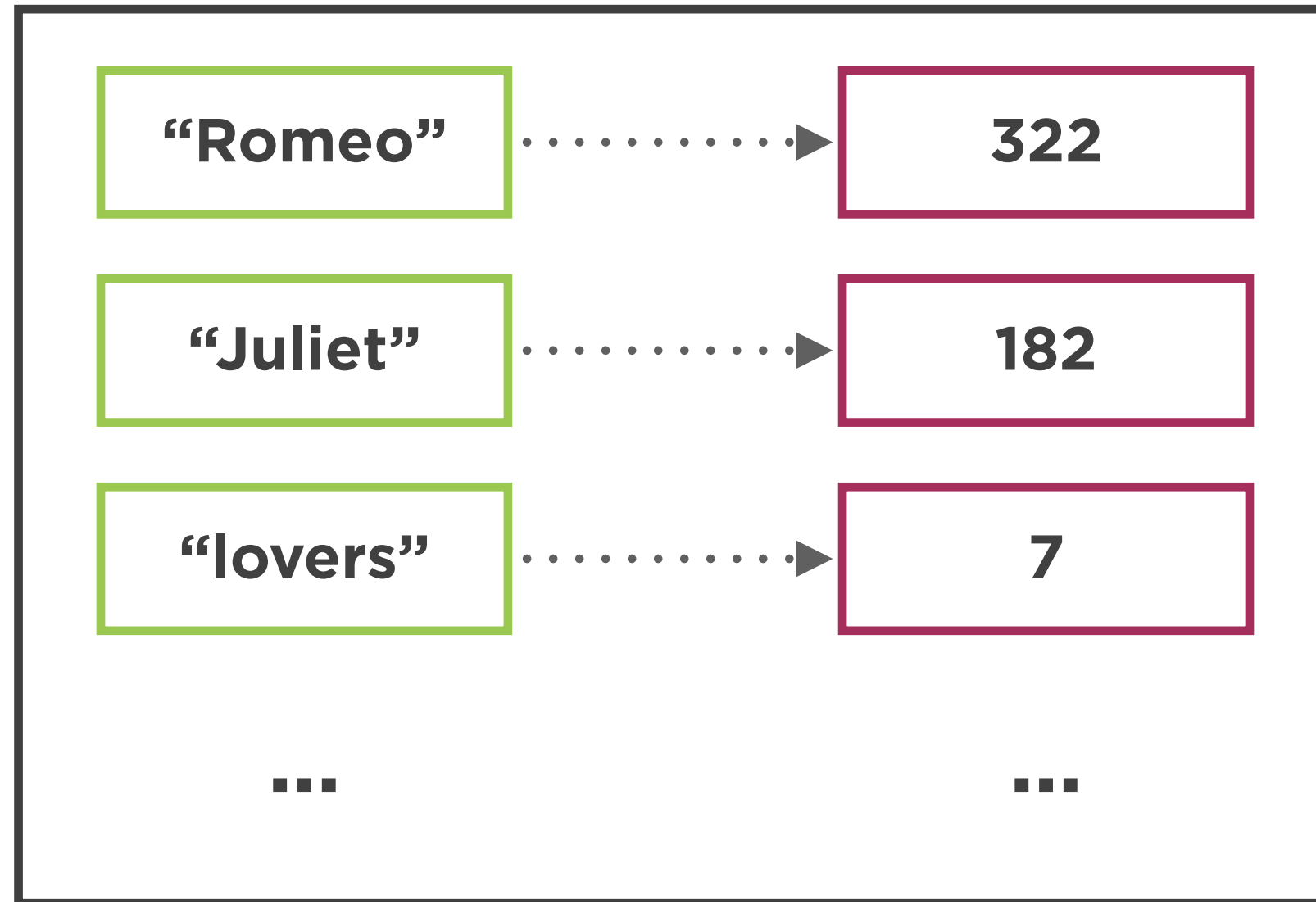
Ruby tries not to surprise you.

The Basics of Hashes

Hashes Contain Keys and Values

Key 1	┈┈┈▶	**Value 1**
Key 2	┈┈┈▶	**Value 2**
Key 3	┈┈┈▶	**Value 3**
...		**...**

Hashes Contain Keys and Values

"Romeo" ·········▶ 322

"Juliet" ·········▶ 182

"lovers" ·········▶ 7

... ...

A Little Extra: Hashes and Symbols

What We Did

```ruby
TEXT_FILE = "romeo-juliet.txt"

# Load the words from a file
def words_from_file(text_file)
    File.read(text_file).downcase.gsub(/[^a-z]/, " ").split
end

# Load the list of words in the text
words = words_from_file(TEXT_FILE)

# Create a dictionary of word counts
word_count = {}
# For each word in word_count
    # If this word is new, add it to word_count...
    word_count[word] = 1
    # ...else increment its count
    word_count[word] += 1

```