RAJU GANDHI

```
(def speaker
 {:name "raju",
   :pronunciation "/raa-jew/",
   :description ["developer",
                 "technophile",
                 "language geek"],
   :profiles {:twitter "looselytyped"
              :facebook "raju.gandhi"}})
```















- * Lisp
- Hosted
- * Functional
- Dynamic
- Excellent concurrency support

- Data Orientation
- Precision
- * Simplicity
- **Pragmatism**

Make it ALL idiomatic!

"Lisp is worth learning for the profound enlightenment experience you will have when you finally get it; that experience will make you a better programmer for the rest of your days, even if you never actually use Lisp itself a lot."

- Eric Raymond

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CLOJURE



BEAUTY

def .

do new

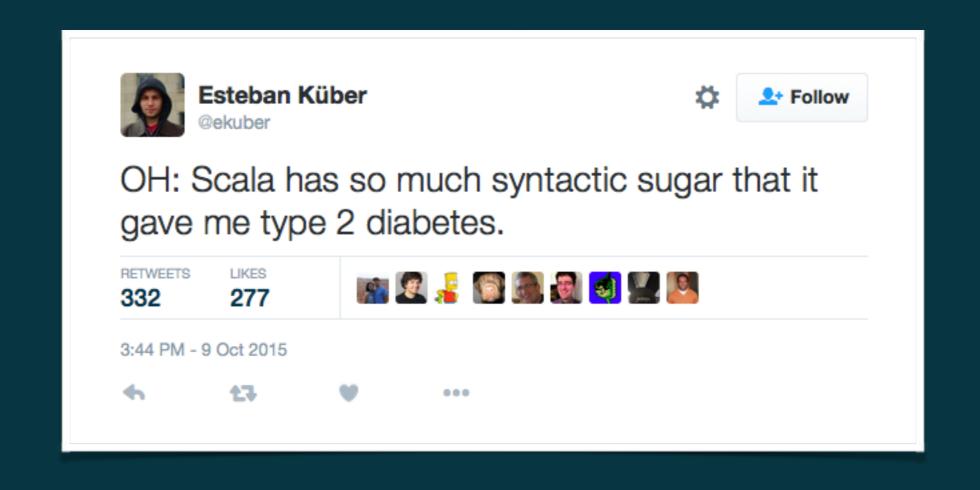
fn recur

if set!

let throw

loop try

quote var



```
;lists - these are special
'(+ 1 2 1/3)
;a comment
["this" "is" "a" "vector"]
;commas are whitespace
{:yes true, :no false, :null nil}
;sets
#{\a \e \i \o \u}
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"It is better to have 100 functions operate on one data structure than 10 functions on 10 data structures."

- Alan Perlis

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;;can be a regular function
;;Yes! + is a function :)
(+ 1 2 3)
;;or a macro
(defn say-hello [name]
   (str "Hello, " name))
;;or a special form
(if (< x 3) "less than 3" "or not")</pre>
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code == data

HOSTED







HOSTED



Embraces the host platform



No bridge, no wrappers

FUNCTIONAL

"A language that doesn't affect the way you think about programming is not worth knowing."

- Alan J. Perlis

CLOJURE'S APPROACH

- Side effects are explicit
- State management via
 - Persistent data-structures
 - Multiple reference types with appropriate semantics
- * Laziness

DYNAMIC

- > typing

* Optional hinting

RDD

Resume Driven Development

Resume Driven Development

MOAR!!

- Concurrency semantics
 - vars, refs, atoms, agents
- Polymorphism
 - multimethods, protocols

STEWARDSHIP





Simple Made Easy

Credit https://github.com/tallesl/Rich-Hickey-fanclub/blob/master/cartoon/resized.png

TURTLES ...











TURTLES ...











RESOURCES

- Strong, growing, supportive community
 - * IRC
 - Slack Channel
 - **Google Groups**

BOOKS

- Clojure for the Brave and True
- Living Clojure
- Clojure Applied
- Web Development with Clojure, Second Edition
- The Joy of Clojure

Tools

- Emacs
- Cursive
- Light Table



Braintree A PayPal Company



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STAPLESLABS

NETFLIX





THANKS!