

Racket version 8.6 is available.

twelfth RacketCon, Oct 28-30, in person!

We welcome two new Racket books:
(1) Racket Programming the Fun Way
(2) Don't Teach Coding: Until You Read this Book

Racket, the Programming Language

Mature Practical Extensible Robust Polished



```
#lang racket/gui

(define my-language 'English)

(define translations
  #hash([Chinese . "你好 世界"]
        [English . "Hello world"]
        [French . "Bonjour le monde"]
        [German . "Hallo Welt"]
        [Greek . "Γειά σου, κόσμε"]
        [Portuguese . "Olá mundo"]
        [Spanish . "Hola mundo"]
        [Thai . "สวัสดีชาวโลก"]
        [Turkish . "Merhaba Dünya"]))

(define my-hello-world
  (hash-ref translations my-language
    "hello world"))

(message-box "" my-hello-world)
```

Racket, the Language-Oriented Programming Language

Little Macros General Purpose Big Macros Easy DSLs IDE Support Any Syntax

#lang typed/racket

```
;; Using higher-order occurrence typing
(define-type SrN (U String Number))
(: tog ((Listof SrN) -> String))
(define (tog l)
  (apply string-append
    (filter string? l)))
(tog (list 5 "hello "
  1/2 "world" (sqrt -1)))
```

#lang scribble/base

```
@; Generate a PDF or HTML document
@require (only-in racket ~a)
@define N 99
@title{Bottles: @italic{Abridged}}
@apply
  itemlist
  (for/list ([n (in-range N 0 -1)])
    @item{@(~a n) bottles.}))
```

#lang datalog

```
ancestor(A, B) :- parent(A, B).
ancestor(A, B) :-
  parent(A, C), ancestor(C, B).
parent(john, douglas).
parent(bob, john).
ancestor(A, B)?
```

Racket, the Ecosystem

Software Tutorials & Documentation Community Books Education Swag



Thank you

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[DARPA](#),
the [Fund for the Improvement of Postsecondary Education \(FIPSE\)](#) at the [US Department of Education](#),
the [Exxon Foundation](#),
CORD, partners of the Academy of Information Technology,
[Microsoft](#),
[Mozilla](#),
[Google](#),
and many [individuals](#)
for their generous support over the years.