

RACKET - LANG

racket's extensive library gets your projects off ground quickly. web applications math& statistics

full list >>

racket runs on linux, macos, and windows. deploy on one

develop to all theree. Package system Standalone binanies

gui framework foreign interface

racket's crown jewel is its macro system, which lets you

freely extend the language. entro to macros

racket syntax model macros in depth Making new languages

racket is a mature lope project that's actively developed and maintained.

the plt group racket repositories rocket mailing list main repository

drracket is a graphical we that's integrated with rackets uast

documentation.

drracket guide scribble

racket started life as a scheme implementation, but then grow SCHEME

using rors scheme

the racket manifesto how to program racket

vacket essentials

LISP

dracket tutorial dracket tools

the world's first ecosystem for language oriented programming make your dream language, or use one of the dozens alredy available, including these

#lang racket

(require 2htpdp/image); draw a picture (let sierpinski ([n 8])

[(zero? n) (triangle 2 'solid red')]

[else Cdefine t sierpinski (-n 1)))

(freeze Cabove t (beside tt)))]))

for making images,

long typed/racket

;; using higher-order occurrence typing

(tog ((Listof SrN) -> String))

Cdefine (tog L)

(tog (list 5 "nello" 1/2 "world" (sqrt -1)))

typed rackets "gradual" typing lets you add types after you've been coorking in untyped mode

	# lang racket/goi
	Cotal
-	(define & (new frame x. [label "Guess"])
	Colefine n (random 5)) (send f show #t)
	Codefine ((check i) btn evt)
	(message-box "." (if (= i n) "Yes" "No")))
	(for ([i (in-range 5)])
	(make-object buttony. (ma i) f (check i)))
-	racket's gui language and libraries makes cross-platform
-	applications easy.
-	
	NSF national science foundation
	DARPA defence advanced research project agency
	FIPSE fund for the improvement of post secondary education
	us department of education
- marie and a second	exxon boundation
and the name of the table of	
- 1	CORD partners of the academy of information technology
-	microsoft, mozilla, google