# **Racket and Plait**

CS 350

Prof. Joseph Eremondi May 6, 2024

# **Racket**

# What is Racket?

• Lisp-style language

1

## What is Racket?

- Lisp-style language

1

### What is Racket?

- Lisp-style language((((((((Parentheses)))))))))
- Language for making languages

1

IDE for Racket

- IDE for Racket
- Read-Eval-Print-Loop (REPL)

- IDE for Racket
- Read-Eval-Print-Loop (REPL)
  - $\circ \ \ \text{Feedback when writing code}$

- IDE for Racket
- Read-Eval-Print-Loop (REPL)
  - o Feedback when writing code
- Other editors are possible

- IDE for Racket
- Read-Eval-Print-Loop (REPL)
  - Feedback when writing code
- Other editors are possible
  - $\circ\,\,\dots$  but you're on your own if you have probems

- IDE for Racket
- Read-Eval-Print-Loop (REPL)
  - Feedback when writing code
- Other editors are possible
  - o ... but you're on your own if you have probems
  - o see https://docs.racket-lang.org/guide/ other-editors.html

# Plait

• Language defined in Racket

- Language defined in Racket
- Type inference

- Language defined in Racket
- Type inference
  - o Every expression is typed

- Language defined in Racket
- Type inference
  - o Every expression is typed
  - o Don't have to write down the types