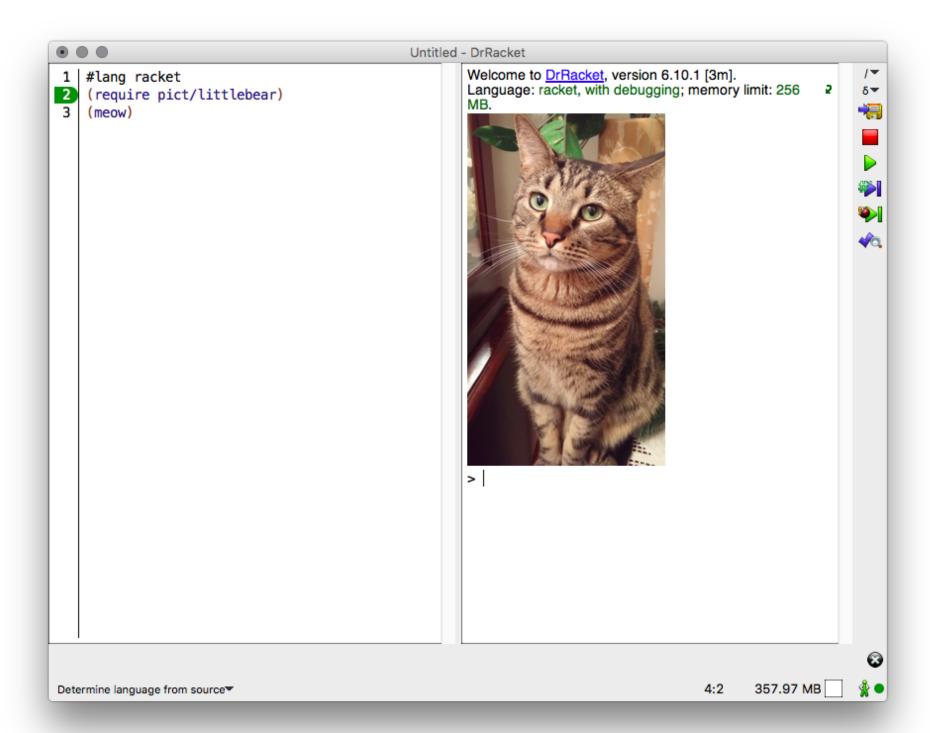
Racketeering 101

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Q. How to?

- Install a package from source
- Change the code
- Render documentation
- Run tests

Step 0: Getting Started

- Download Racket
 - o download.racket-lang.org
- Locate raco
- Choose a package to edit
 - O Let <PKG> = pict

Step 1: Install package from source

- raco pkg update --catalog <URL> <PKG>
- raco pkg update --clone <PKG>
 - O <URL> = https://pkgs.racket-lang.org

Step 1.5: Connect source to GitHub

- Fork <PKG> on GitHub
- git remote add fork <FORK-URL>
- git checkout -b <BRANCH-NAME>

Step 2: Find & edit the code

- Search under <PKG>-lib
- In DrRacket: "Open Defining File"
- raco fc <PKG>
 - o raco pkg install raco-find-collection

Step 3: Edit the Documentation

- To view: raco docs <PKG>
- To edit: <PKG>-doc/**/scribblings
- To build: raco setup <PKG>

Step 4: Run tests

• raco test -c <PKG>

Reference

Install a new package

raco pkg install --clone <PKG>

Test with "standard" settings

raco test --drdr -c <PKG>

Build docs and index

raco setup --doc-index <PKG>

Update a pull request

```
git commit -m "new stuff"
git push fork <MY-BRANCH>
```

Build Racket from source

- git clone https://github.com/racket/racket
- cd racket
- make
- mkdir extra-pkgs

What's in racket/racket?

- racket/class
- racket/contract
- racket/list
- racket/logging
- racket/match
- racket/system

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What's in the racket GitHub org.?

- htdp
- math
- plot
- redex
- slideshow
- typed-racket
- •

What's on the package server?

- adjutor
- dan-scheme
- debug-repl
- html-parsing
- frog
- pollen
- syntax-sloc

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Where's the source for the package server?

https://github.com/tonyg/racket-pkg-server

Where's the source for the Racket website?

https://github.com/racket/racket-lang-org