

Official racket documentation: <https://docs.racket-lang.org/guide>

Big reference was megaparsack: [Megaparsack: Practical Parser Combinators \(racket-lang.org\)](https://docs.racket-lang.org/megaparsack/)

Most of the time spent was just building from this example:

[2.2 Parsing sequences \(racket-lang.org\)](https://docs.racket-lang.org/guide/2.2-Parsing-sequences.html)

```
(define two-integers/p
  (do [x <- integer/p]
      (many/p space/p #:min
1)

      [y <- integer/p]
      (pure (list x y))))
```

using or/p for multiple paths as needed and used do to chain parsers.

Note: I didn't tokenize the input because most of the examples were just consuming strings and just this line "Parsers that operate on strings, like char/p and integer/p, will not work with tokens from parser-tools/lex because tokens can contain arbitrary data." made it undesirable.

Programming Language Pragmatics by Michael L. Scott

Ch. 2.3 Parsing Figure 2.17 for pseudocode reference

Error handling:

https://docs.racket-lang.org/reference/exns.html#%28def._%28%28quote._~23~25kernel%29.srcloc-line%29%29

Side reference-ish:

[ReeceMcMillin/CS441ParserProject: A simple Racket-based parser for a small textbook language. \(github.com\)](https://github.com/ReeceMcMillin/CS441ParserProject)

- I found this mid-way through my parser (after building my atoms and expressions) and I liked the way he did the error handling but I didn't like the two indicators on the top and bottom. I previously had the bare minimum for the error message but then I added in the indicator just on the bottom.
- I also had absolutely no idea why he did the gen:custom-write but I also didn't read the documentation on that.
- His parser was a good reference/check to make sure I was using megaparsack do, try/p, many/p, and or/p to its full extent.