Sharing

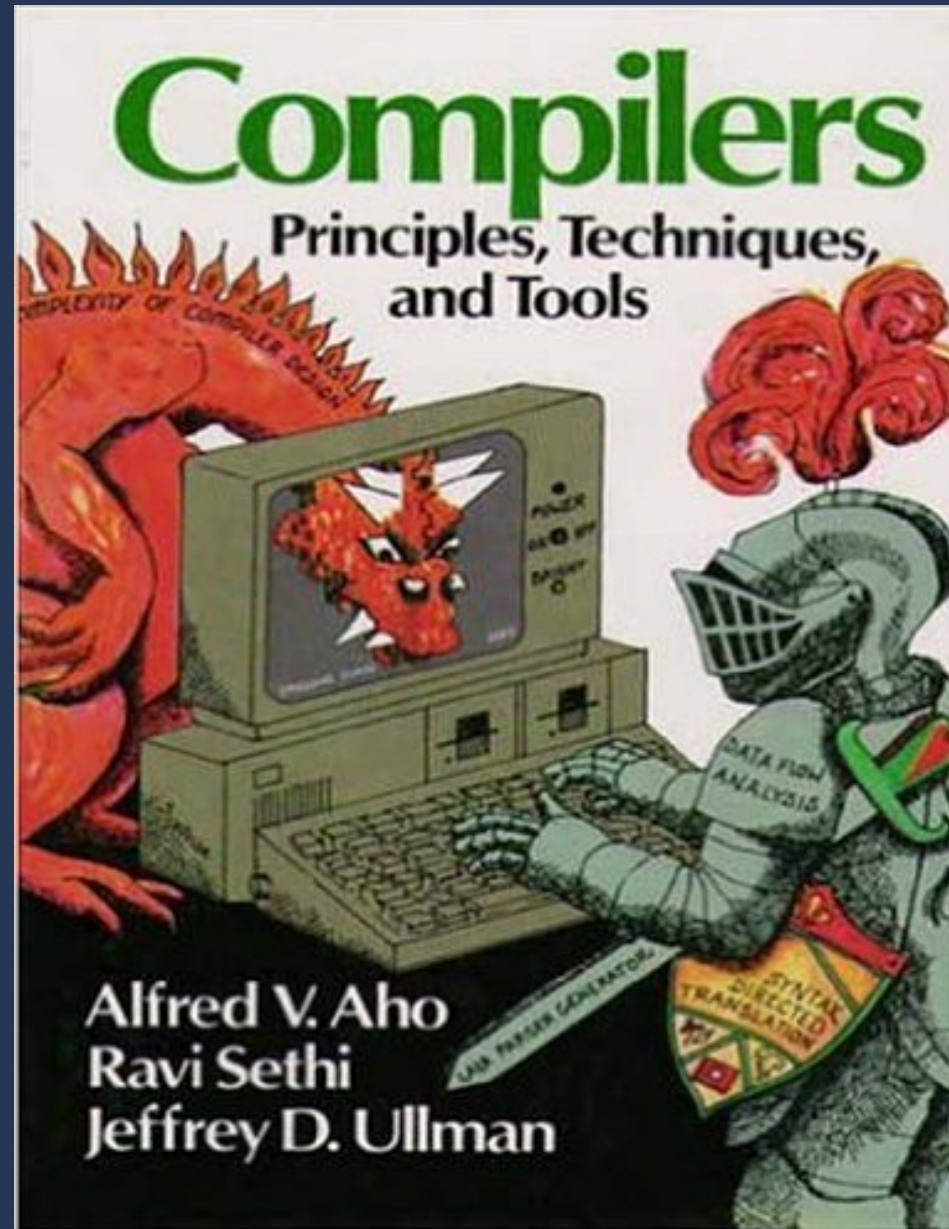# A little bit of Parsing A little bit of Automator

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Parsers

yacc & lex

(a.k.a bison & flex)

chars → tokenizer → parser

chars ⟶ tokenizer ⟶ parser

lex

yacc

BNF rules

(Backus-Naur form)

$$expr \rightarrow term + expr$$

$$expr \rightarrow term$$

$$term \rightarrow term * factor$$

$$term \rightarrow factor$$

$$factor \rightarrow (\; expr \;)$$

$$factor \rightarrow const$$

$$const \rightarrow integer$$

```
<expr> ::= <term> "+" <expr>
         |   <term>

<term> ::= <factor> "*" <term>
         |   <factor>

<factor> ::= "(" <expr> ")"
           |   <const>

<const> ::= integer
```

Xcode

Project

SQLite: The Lemon Parser

Link: **Architecture of SQLite**

Xcode?

Project

Automator

Xcode + Service Menu

- sort lines

- figlet banner

- curl URL

- prettyprint json for swift

- xml2json

- calc

End.