

A decorative border made of colorful, irregular pebble-like shapes in shades of grey, blue, orange, and teal, framing the central text.

Work in progress

Lexers & Tokenizers

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Source code

- What humans read, interact with

```
void makeTokens() {  
    int lineCount = lines.size();  
    for (int i = 0; i < lineCount; i++) {  
        std::string firstLine = lines[i];  
        std::string secondLine = lines[i+1];  
        if (firstLine[0] == '#' && secondLine.substr(0,6) == "alias ") {  
            alias newAlias;  
            newAlias.comment = firstLine;  
            newAlias.line = secondLine;  
            aliases.push_back(newAlias);  
        }  
    }  
}
```

```
cur = self.connection.cursor()  
cur.execute("SELECT * FROM words")  
# Make the initial empty reference  
for word in tqdm(cur.fetchall()):  
    data[word[1]] = {}  
  
# For each word, increment the next fields frequency number  
for word_index in tqdm(range(len(self.words))):  
    if word_index == len(self.words) - 1:  
        break  
  
    current_word = self.words[word_index]  
    next_word = self.words[word_index + 1]  
  
    # Set the value to 1 if it's not there  
    if next_word not in data[current_word]:  
        data[current_word][next_word] = 1  
    # Add one if it exists  
    else:  
        data[current_word][next_word] += 1
```



```
objdump -d a.out
```



Compiled vs. Interpreted

Rust

Typescript

Perl

C++

Haskell

Java

Python

Crystal

Javascript

C

Ruby

Go