

Lexer

Class:

- Token \rightarrow type, val, lineNum

 - \hookrightarrow get-type(), get-val(), get-lineNum(), <<

- Symbol \rightarrow type, scope, value, lineOfDeclaration

 - \hookrightarrow <<

vector:

- keywords
- booleans
- arithmetic-operators
- rational-operators
- assignment-operators
- logical-operators
- all-operators
- misc
- keyword-statements
- valid-parenthesis
- Tokens

functions:

- scan()
- is-keyword()
- identifier()
- operator()
- boolean()
- misc()
- keystatement()
- parenthesis()
- operator_type()
- get-parenthesis_type()
- reset()
- tester()

unordered_map:

- sym-table

Deconstructing Scan()

