

Lexer for G++ Language

G++ – Syntax

- Keywords: *and, or, not, equal, append, concat, set, deffun, for, while, if, exit*
- Operators: *+, -, /, *, (,), ***
- Terminals:
 - Keywords, operators, 0-9
 - BinaryValue -> true | false
 - IntegerValue -> [-]*[1-9]*[0-9]+
 - Id – [a-zA-z]+

Sample Input:	Sample Output: (There may be mistake(s))
(deffun sumup (x) (if (equal x 0) 1 (+ x (sumup (- x 1)))))	((("operator" "(") ("keyword" "deffun") ("identifier" "sumup") ("operator" "(") ("identifier" "x") ("operator" ")") ("operator" "(") ("keyword" "if") ("operator" "(") ("keyword" "equal") ("identifier" "x") ("integer" "0") ("operator" ")") ("integer" "1") ("operator" "(") ("operator" "+") ("identifier" "x") ("operator" "(") ("identifier" "sumup") ("operator" "(") ("operator" "-") ("identifier" "x") ("integer" "1") ("operator" ")") ("operator" ")") ("operator" ")") ("operator" ")") ("operator" ")")