

CS 631-01 Parsing

Lab 01 Solution

"Obt"
└──┬──

" "

Parsing

token list

Scanning



tokens



Parsing



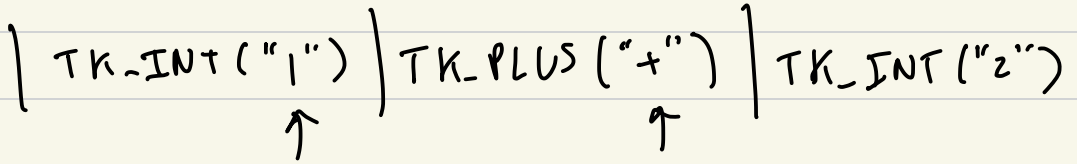
tree

↙ ↘
eval

↙ ↘
code gen

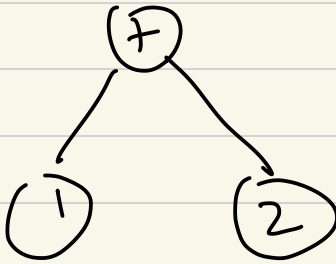
" 1 + 2 "

Scan table



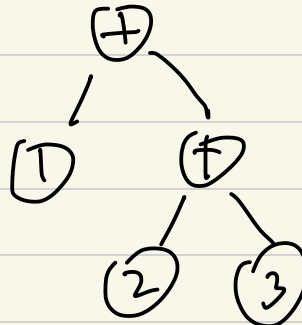
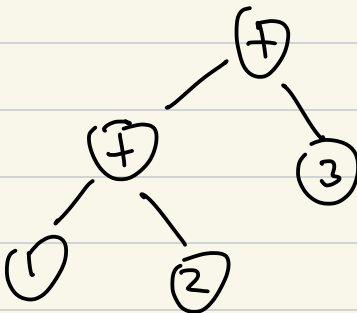
AST

abstract
syntax
tree



" [1+2]+3 "

" 1+[2+3] "



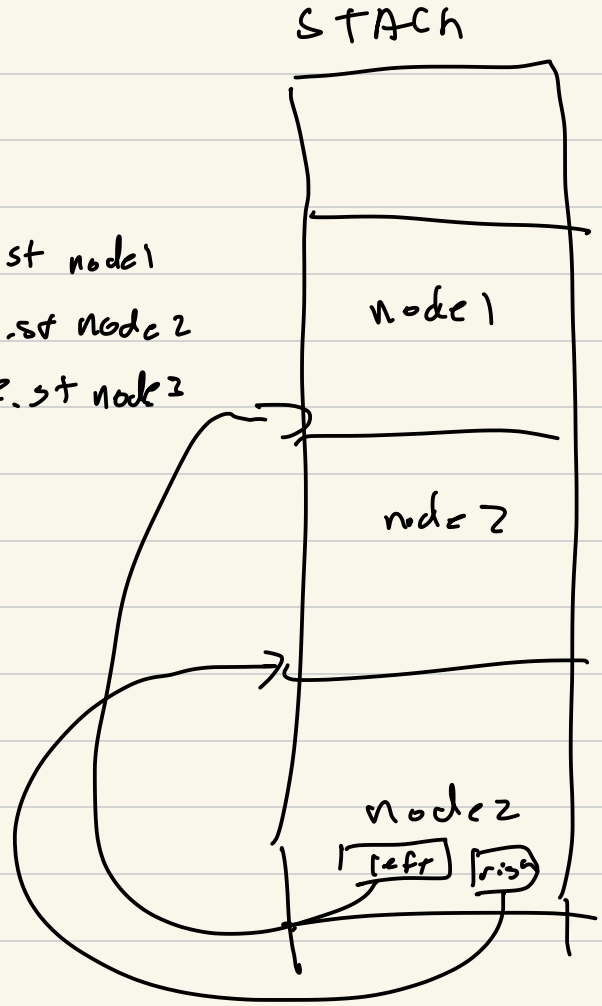
"1 + 2 + 3"

main()

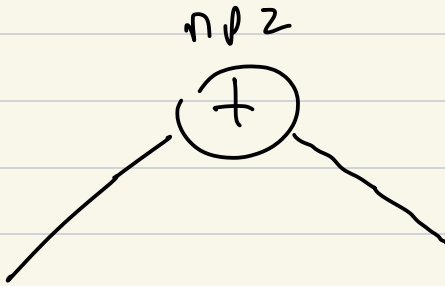
struct parse_node_st node1

struct parse_node_st node2

struct parse_node_st node3



$$\textcircled{1} + 2 + 3$$



EX-INITIAL

EX-FUTURAL

$$np1 = np2$$