

CS 208

F, 3 Oct 2025

char *S = "this string";

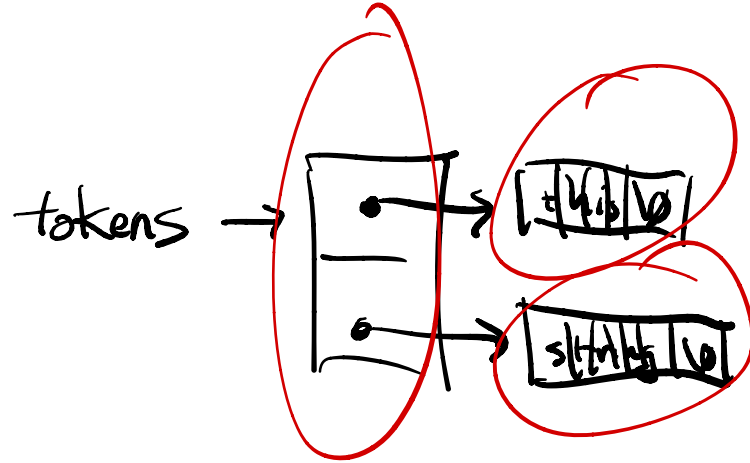
"tokenizing this"

char *tokens[]

int count

Applications:

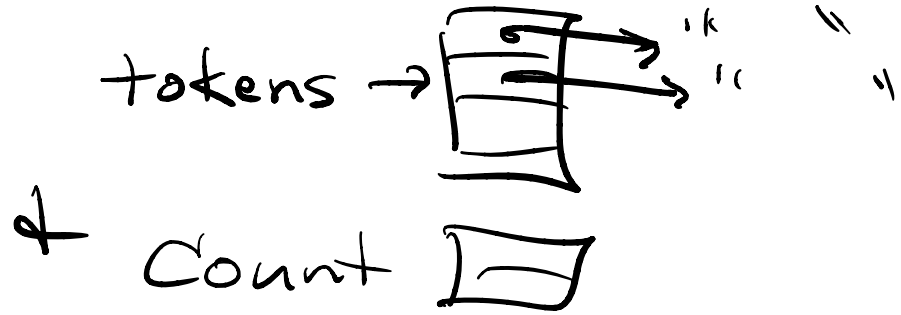
- 1st step in compiling
- parsing a sentence



count [2]

- terminal parses your command
- tokenization 1st

Your task : given a string
& a "delimiter",
produce



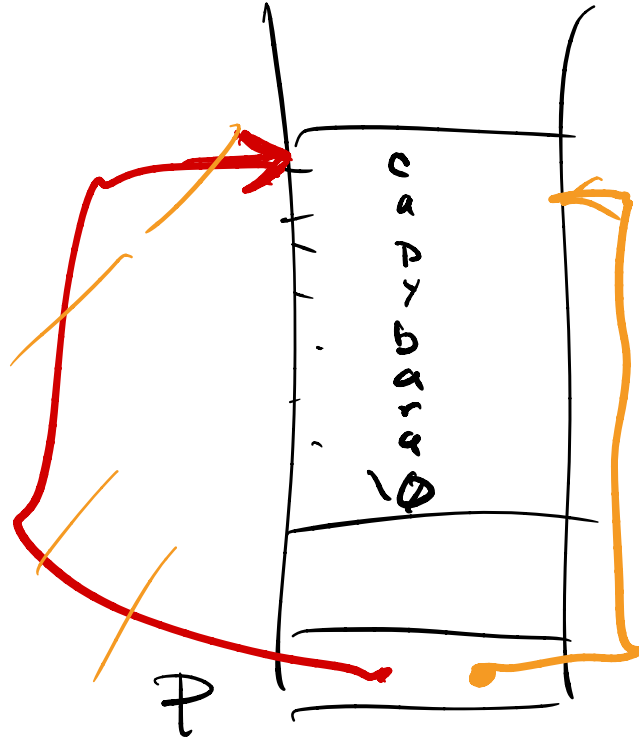
`char *p` ~ "pointer to" a char
"address of"

`char g[]` 

but, programmer is
not allowed to change
where `g` points
after initialization

Char animal[20] = "copybara";

"dereference"



`p = animal;`

`printf( , *p)`

Print the c
that p is pointing
to

`p++`

`printf( , *p)`

prints the a

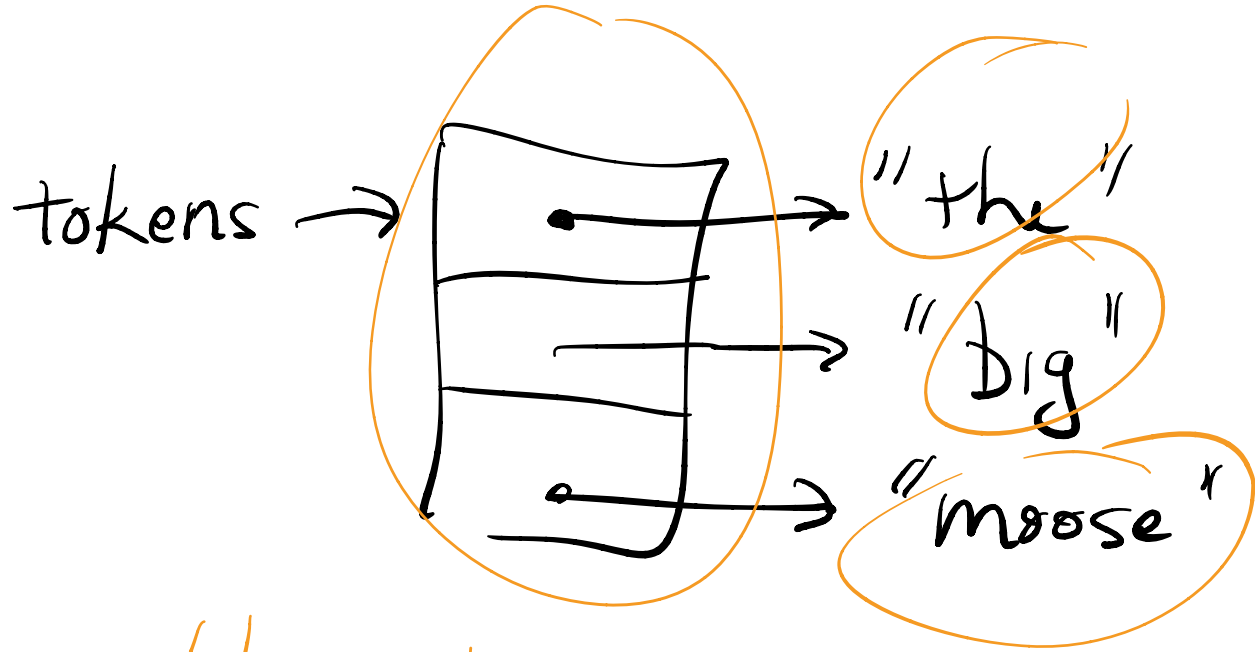
`char *tokens[]`

array of `char*`'s

`char **tokens`

a pointer to a `char*`
(or a pointer to the
beginning of an array of
`char*`'s)

"the big moose"



4 calls to malloc