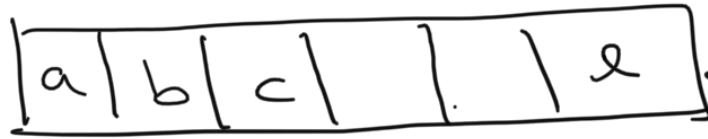


stacks

what is it?

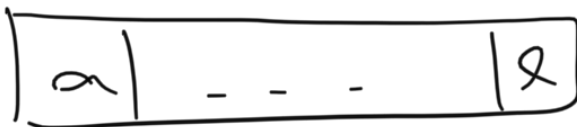
Last in , first out



push(s, x)



stack S



stack S



pop(s)

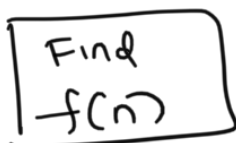
returns
last added element

Useful for

Keeping track of recursive function calls

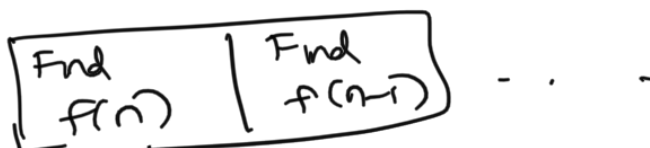
$f \leftarrow$ recursive function

Goal: Find $f(n)$



TO-DO-
STACK

↳ But to find $f(n)$, need $f(n-1)$



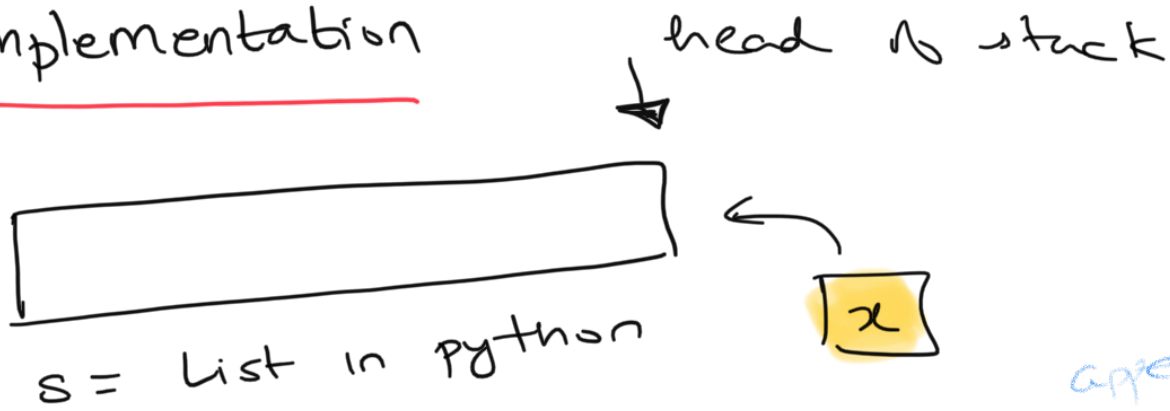


once $f(0)$ found

→ then find $f(1)$

→

Implementation



push(s, x)

pop(s)

s.append(x)

s.pop()

↑
pops last elt of list

↓
appends to end of list