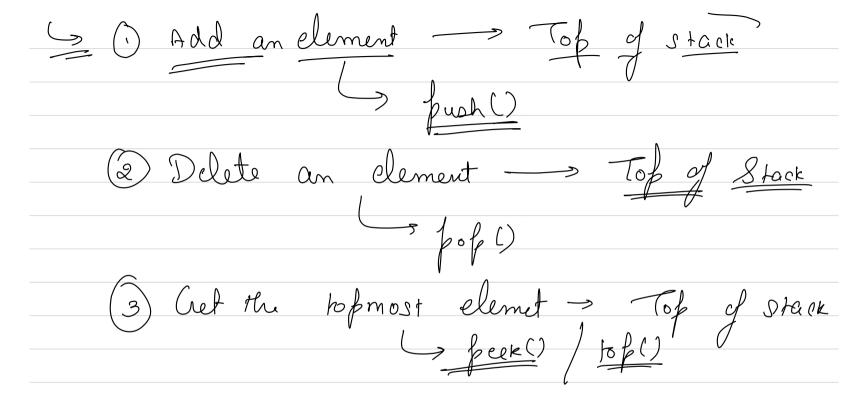
Stacks - Linear Data Structur, that Supports CLast In first Out) kind of > Recursion & memory Management Android Lome OS C) OS algorithms to the Job most element

How we can create our oun stack. Some Inbeult by than implementative of stack.

Droblem Solwy with stack.



(1) Stacks (2) Also	1 Can	he	emplen	restral	ky (arrays/list
(2) Also	via j	inked	list		V	
(3) Using	_					
				V		

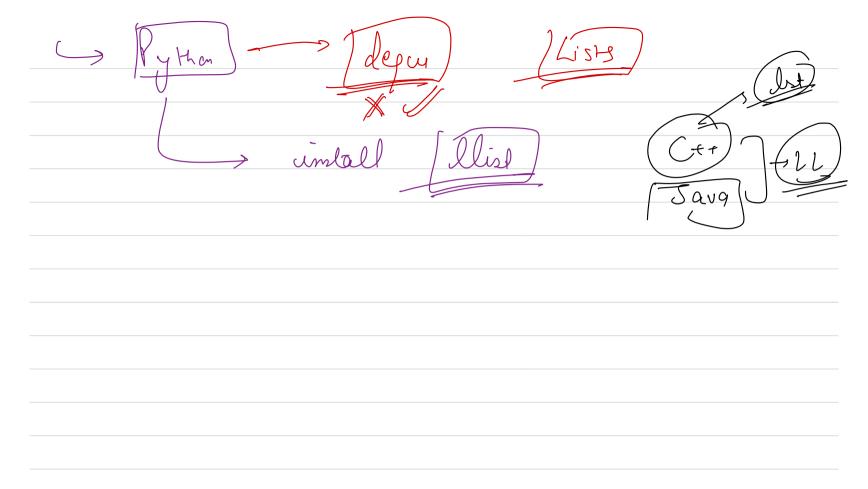
Stack Using Arrays (fined size) 1, 2, 3, 4, 5, 6, 2 under (vw tob-=1

peck -> return -> St (rop

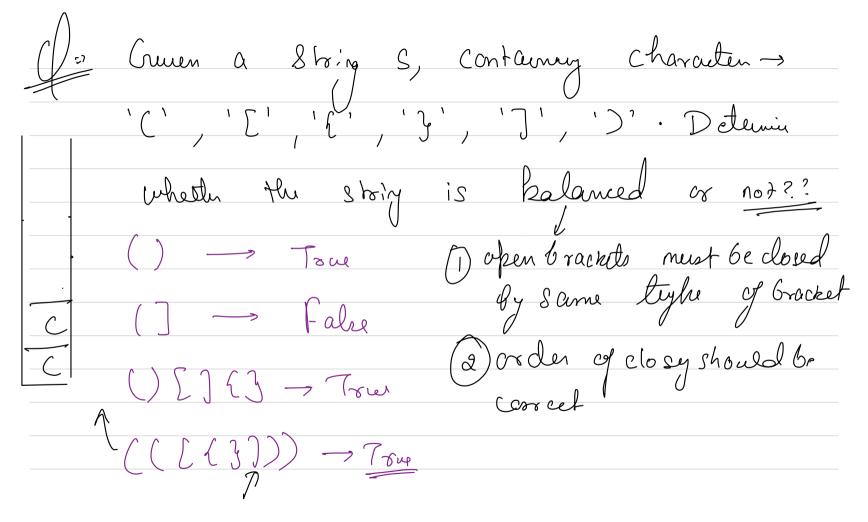
) -- private clata member By default - fublic no one outside the class well be able to crease the data member. Jaces Modefeir, bush o (1)

tof/ peek - O (1) Lossue - sireis ferud, some cant groud Sholk M1(205017 How you

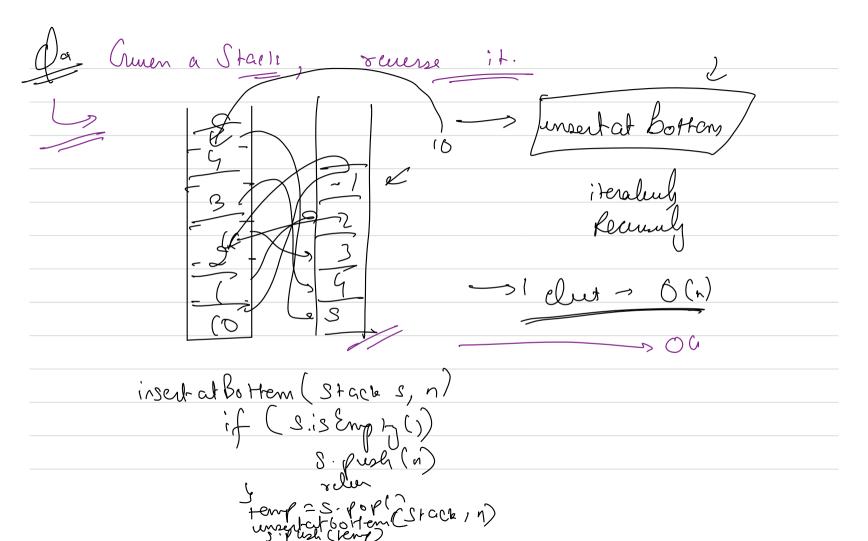
Stack Using LL fush -> add At lead -> O(1) 1) S12 Can g60w 2) - ren- contiquous memory (or



10.



<u>_</u>	gene	rally	1' 1) robleme	vhu reluei	wl	hau	h ha	Ч
	the	last	ele	ment	relue	it or,	whe	you ha	كلك
	h ke	ref	boack		parad	9			
				V					



ument-at bottom (Stack Sintn)

if (S. is Empty (S))

S. push (n)

con Y Carrel Jak temp = S. Pop() in sent at 60/tem (s, n) S. push (temp)

aunillay stack

Cruer a stack - Suit the stack Try doing by max 2 stack (19mm + 1 auallery)
Try Recursuly

2 Stack inscrt Element In Sooted from (Stack S, int el) St. top() < eleut) if (s.is Empty C) OR s.push (el) Rage Carl temp= S. pop()
unset Elemet In Scoted From (S, el)

S. push (lemp) Scot Stack (Stack if (not s. is Empty ()) consent Elevet In Scotel from (Si Kup)