

Data Structures

Topics Covered:

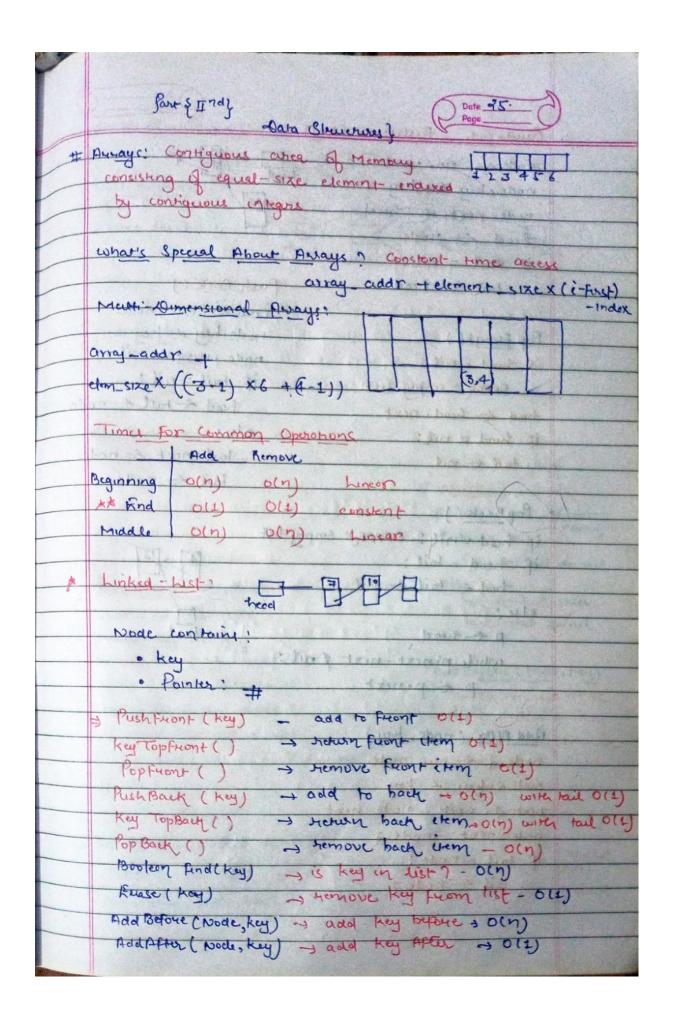
Arrays

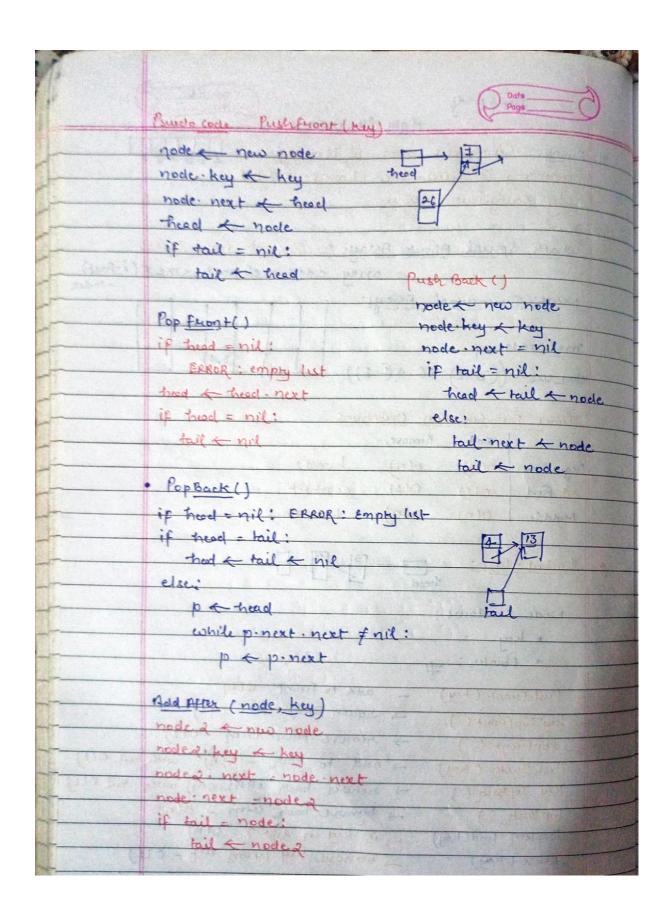
Linked-List

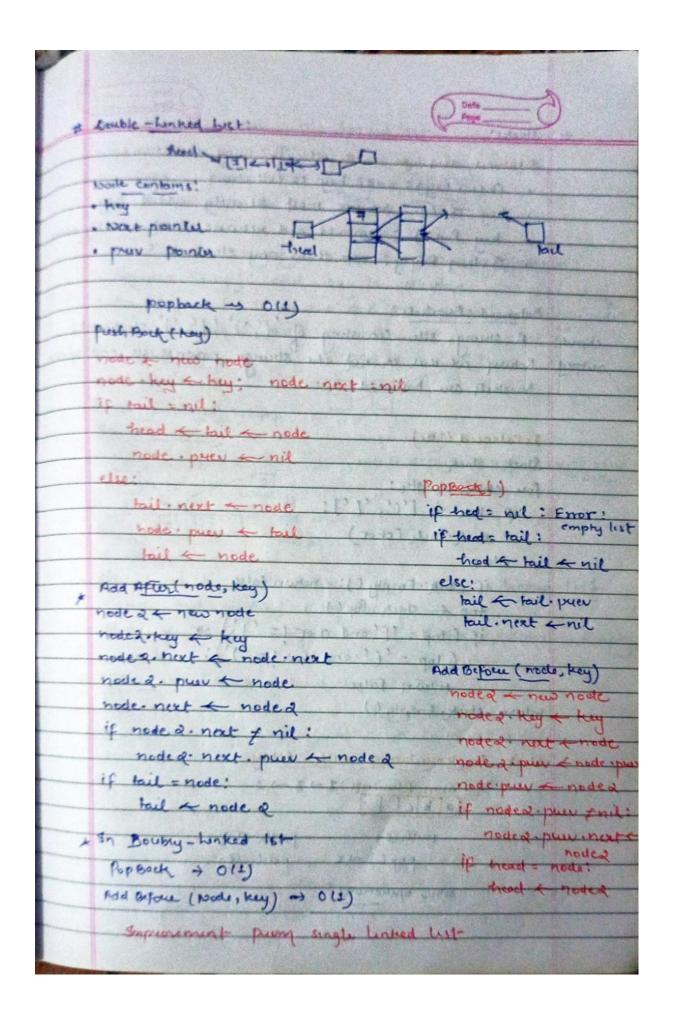
Double-Linked list

Stack

Data Structures 1







1	
	Date 1
+	Stacks!
	Abstract data type with the following operations
1.	· Push (key): adds key to collection
4.	· key Tall betiene most greently added by
1	· key Pop(): hemoves and returns most recently edded
	· Booleon Empty: are there any elements ?
	3
-	Balonerd Busekoty;
input:	A church eth Consistence of ((1)) ([1 17] of
Onthin.	Return whether or not the strungs parenthesis and square
	brockets are balanced.
	TeBalanced (Sty)
	Stack stack
	Fou char in sty:
Tall planses	if char in ['(', '[']:
Tiny is	stock Push (chor)
ARDIT	if stock. Empty (): return false top + Stock. Pop ()
June	if (top = '[' and char != ']') or
	(top = '(' and char! = ')'):
	Helwy False
	heturn stack. Empty ()
	There is the same of the same in
	Stock typicmentation with Array
	num Rhmenk 12 ~ 3 ~ 2
	abel
Treat to a sure	push (c) push (d)
	pop() de push ces
	Sime operations!

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