3. Stack

Stack is a data structure that store items in
last in / First-out manner (LIFO).

Stack operations

- create Stack
- push (insert)
- pop (remove)
- peek
- is empty
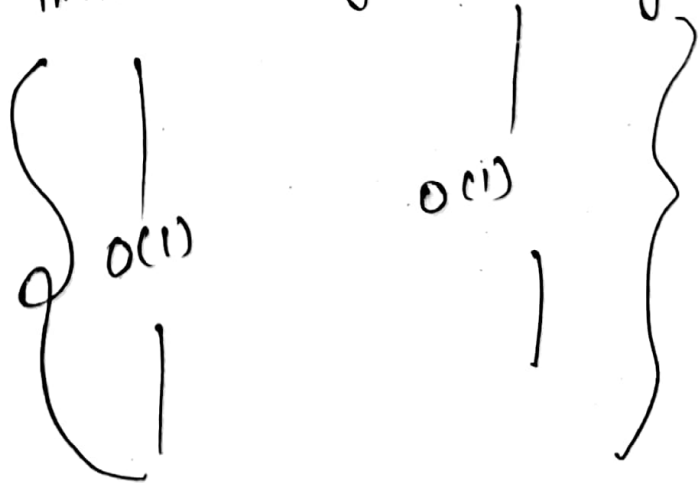- is Full
- delete Stack

create Stack push

customStack = [ ]

Stack using Array	Stack using linked list
- Easy to implement	- Implementation is not easy
- Fixed size	- variable size.

All methods in pc

Time and space complexity of stack using Array

	Time complexity	Space complexity
Stack		
create stack		
push		
pop	O(1)	O(1)
peak		
is Empty		
Delete entire stack		

Stack using linked list

Methods on PC

Time and space complexity of stack using linked list

- Same as Array Stack.

when to use/Avoid Stack

USE:
- LIFO functionality
- The chance of data corruption is minimum

Avoid:
- Random access is not possible
-