

Stack - Last In First Out

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10 | 20 | 40 | 60 | ~~70~~⁸⁰
top

[4]	70 0	116
[3]	50 0 60	112
[2]	0 30 40	108
[1]	20 0	104
[0]	10 0	100
top		
[-1]		

3 basic operations of stack

- 1) Push -> add the element on the stack
- 2) Pop -> delete the element from the stack
- 3) Peek -> check the current element

Push :

- 1) Increment the top by 1
- 2) Insert the element at top position

Pop :

- 1) Decrement the top by 1

Peek :

- 1) Return the value at top position

Stack empty condition :

top == -1

Stack full condition :

top == SIZE-1