

Stack :- last In first out (LIFO)

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Int arr[5];

[4]	80 0
[3]	0 75 90
[2]	0 60 70
[1]	55 0
[0]	50 0

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