

# Stack :- last In first out (LIFO)

26 June 2024 14:17

Int arr[5];

[4]	<del>80 0</del>
[3]	<del>0 75 90</del>
[2]	<del>0 60 70</del>
[1]	<del>55 0</del>
[0]	<del>50 0</del>

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