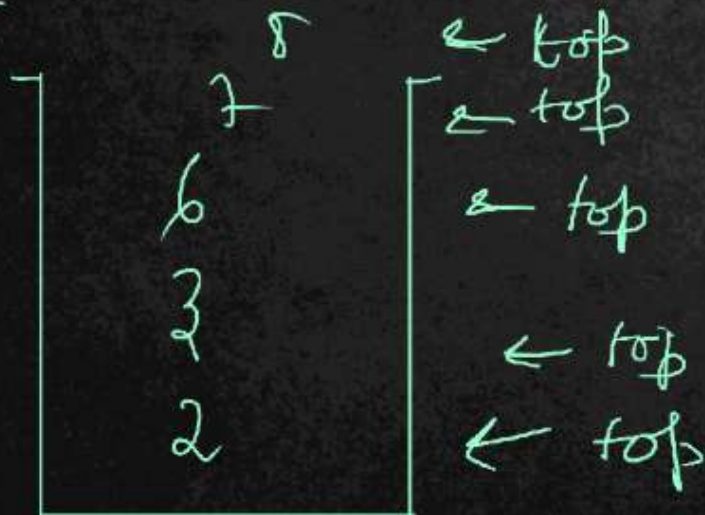


arr (capacity = 5)



\uparrow top
 \uparrow top
 $\text{top} = -1$

1 2 3 4



Push \leftarrow if (top == capacity - 1)
 $\{ \text{push} \rightarrow 2 \}$
 $\{ \text{push} \rightarrow 3 \}$
 $\{ \text{push} \rightarrow 6 \}$
 $\{ 7 \}$
 $\{ 8 \}$
9 \leftarrow

top = 4

Stack Overflow

// Stack is full \rightarrow

// top \rightarrow
element

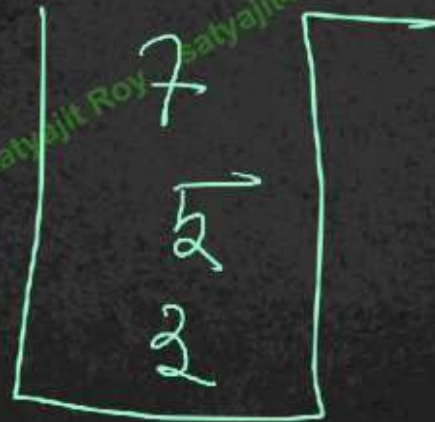
arr (capacity = 5)



Peek

arr[top]

arr[1]



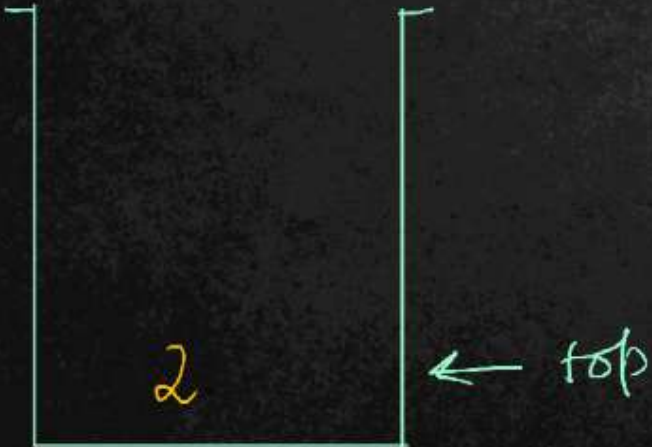
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arr (capacity = 5)



0 1 2 3 4

↑
top = -1



Pop

← top == -1

→ pop →

→ pop →

←
pop →

Stack Underflow

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