Top=4	60
Top=3	15
Top=2	30
Top=1	20
Top=0	10

Top=-1

Тор++

TOP= Pointer

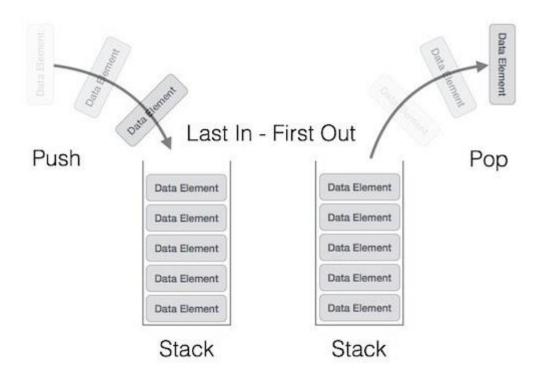
n=5[0 - 4]

if top=n-1

top=5-1=4







Stack = Last in first out(LIFO)

Stack operations:

- 1. Push=insert
- 2. Pop=delete
- 3. Peep=view
- 4. Edit=change

1. Push (insert)

Step 1. [check stack overflow]

If
$$top = n-1$$

Then write "stack overlow"

Return

Step 2. [Increment TOP pointer]

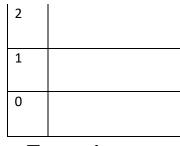
Top=Top+1

Step 3. [insert element]

S[top]=data

Step 4. [finish]

return



Top=-1

2. POP(delete)

Step 1.[Check for the underflow condition]

If top = -1

Then write "stack underflow"

Exit

Step 2.[assign top element of stack to data]

Step 3.[decrement top pointer]

Top = top -1

Step 4. [return top element of stack]

Return data;

Top=4	25
Top=3	15
Top=2	30
Top=1	20
Top=0	24

Top=-1

Peep=view particular element

Step 1:[check for the stack underflow]

If top-i+1<0

Then write ('stack underflow')

Exit

Step2:[return the element from top of stack]

Return (s[top]-i+1)

Step 3:[finish]

return

Edit=change

Step 1:[check for the stack underflow]

If top-i+1<0
Then write ('stack underflow')
Exit

Step 2:[change the ith element]

S[top]-i+1=x

Step 3[finish]

return