Live Assignment [2] (190050820001)

* Operations on STACKS-

1.) Algorithm Push - Array

Input: The new item ITEM to be pushed would it it Dutput: A stack with a newly pushed ITEM at the TOP position:

Data Structure: An array A with TOP as the pointer.

Steps:

1. If TOP = SIZE then
2. Print "Stack is full"

 $4. \quad TOP = TOP + 1$

5. A [TOP] = ITEM

6. End If 7. Stop

2.) Algorithm Pop-Array

Typut: A stack with elements. Output: Removes an item ITEM from the top of the stack if

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4. ITEM = A CTOP]
5. TOP = TOP-1

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