Stack and Quene

9- Inflement a method to insert an element at its bottom without wing any other data structure wing python.

without wring any other data structure we can Ensort an element at the bottom of astack wing recursion.

Step by Step Execution?

Stack=[1,2,3,4,8] Element to insert =0-

Pop 5, call insert at bottom ([1,2,3,4],0)

2) pop 4 (all insert at bottom ([1,2,3],0)

3) pop 3, call insert at bottom([1,3],0)

4) pop 2, call insert at bottom([1],0)

5) pop 1 (all insert at bottom([3,0))

Ensert D: stack = [0]

Push 1 back -> stack = [0,1]

push 2 back -> stack = [0,1,2]

push 3 back -> stack = [0,1,2,3]

push 4 back -> stack = [0,1,2,3]

push 5 back -> stack = [0,1,2,3,4]