Stack = [1]
Output = [ ]

Stack = [4, 2, 3]
Output = [1]

Stack = [4, 2, 6, 5]
Output = [1, 3]

Stack = [4, 2, 6]
Output = [1, 3, 5]

Stack = [4, 2]
Output = [1, 3, 5,6]

Stack = [4]
Output = [1, 3, 5, 6, 2]

Stack = [ ]
Output = [1, 3, 5, 6, 2, 4]