### **11. Find peak element index**

def find\_peak\_element(nums):

n = len(nums)

if n == 1:

print("Peak element index:", 0)

return 0

for i in range(n):

left = nums[i-1] if i > 0 else float('-inf')

right = nums[i+1] if i < n-1 else float('-inf')

if nums[i] > left and nums[i] > right:

print("Peak element index:", i)

return i

print("No peak element found.")

return -1

# Example:

peak\_arr = [1, 3, 20, 4, 1, 0]

find\_peak\_element(peak\_arr)