### **10. Find rotation count of a rotated sorted array**

def find\_rotation\_count(nums):

n = len(nums)

low, high = 0, n - 1

while low < high:

mid = (low + high) // 2

if nums[mid] > nums[high]:

low = mid + 1

else:

high = mid

print("Rotation count (index of minimum element):", low)

return low

# Example:

rotated\_array = [7,0,1,4,4,5,6]

find\_rotation\_count(rotated\_array)