LINEAR SEARCH

arr = eval(input("Enter the array (e.g., [10, 20, 30, 40]): "))

target = int(input("Enter the element to search: "))

comparisons = 0

found = False

for i in range(len(arr)):

comparisons += 1

if arr[i] == target:

print(f"Element found at index {i}")

found = True

break

if not found:

print("Element not found.")

print(f"Total comparisons: {comparisons}")