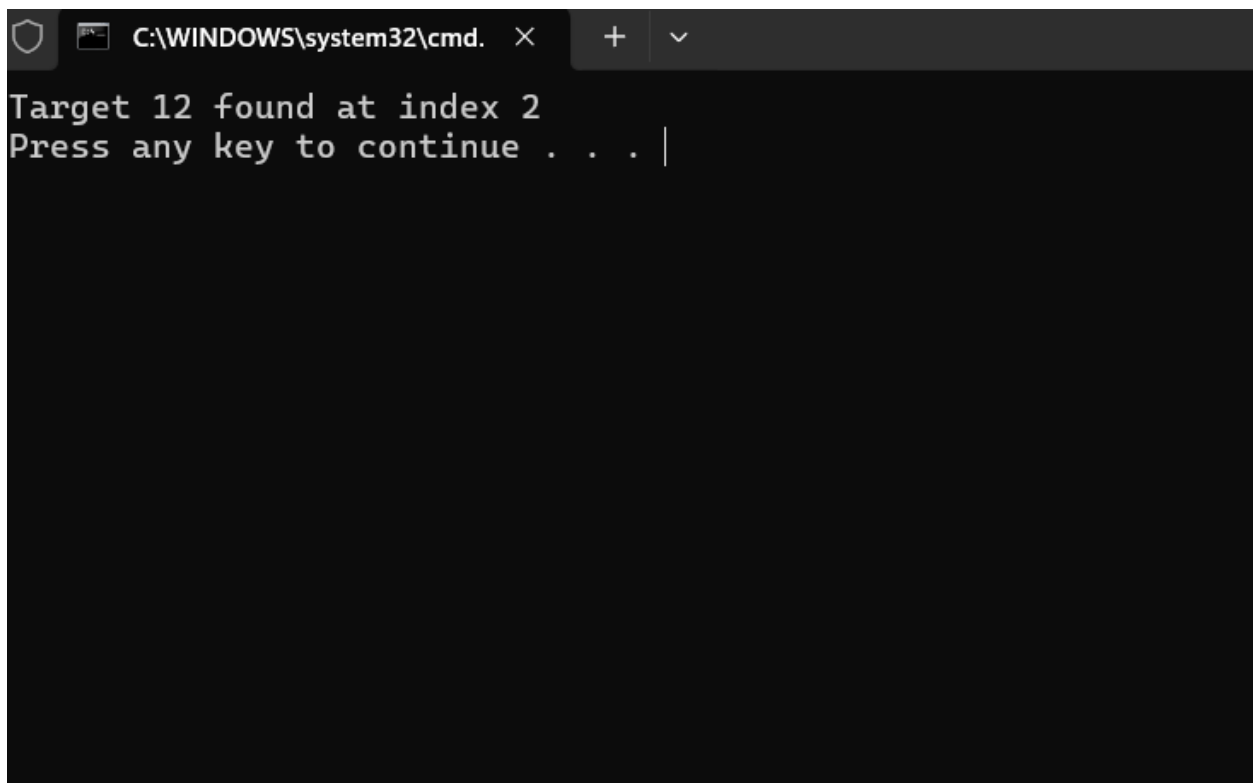


74) Sequential Search

CODE:

```
def sequential_search(arr, target):  
    for i in range(len(arr)):  
        if arr[i] == target:  
            return i  
    return -1  
  
arr = [64, 25, 12, 22, 11]  
target = 12  
result = sequential_search(arr, target)  
  
if result != -1:  
    print(f"Target {target} found at index {result}")  
else:  
    print(f"Target {target} not found")
```

OUTPUT:

A screenshot of a Windows command prompt window. The title bar shows the path 'C:\WINDOWS\system32\cmd.' and standard window controls. The command prompt displays the output of the program: 'Target 12 found at index 2' followed by 'Press any key to continue . . . |' with a vertical cursor. The background is black and the text is white.

TIME COMPLEXITY : $O(n)$