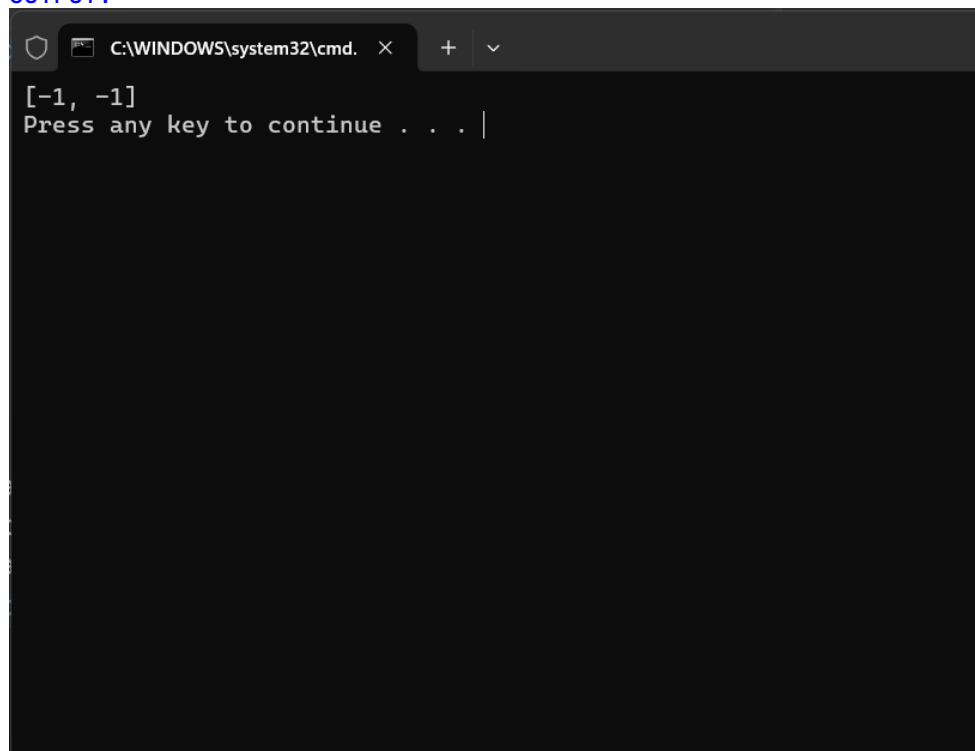


45) Find First and Last Position of Element in Sorted Array Given an array of integers `nums` sorted in non-decreasing order, find the starting and ending position of a given target value. If target is not found in the array, return `[-1, -1]`.

CODE:

```
def search(a, t):  
    b=[]  
    c=[-1,-1]  
    for i in range(len(a)):  
        if a[i] == t:  
            b.append(i)  
    if b!=[]:  
        return b  
    else:  
        return c
```

```
a = [4, 3, 1, 2, 5, 0,0]  
t = 10  
a.sort()  
print(search(a, t))  
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 Python code: '[-1, -1]' followed by a prompt 'Press any key to continue . . . |'.

TIME COMPLEXITY : $O(n\log n)$