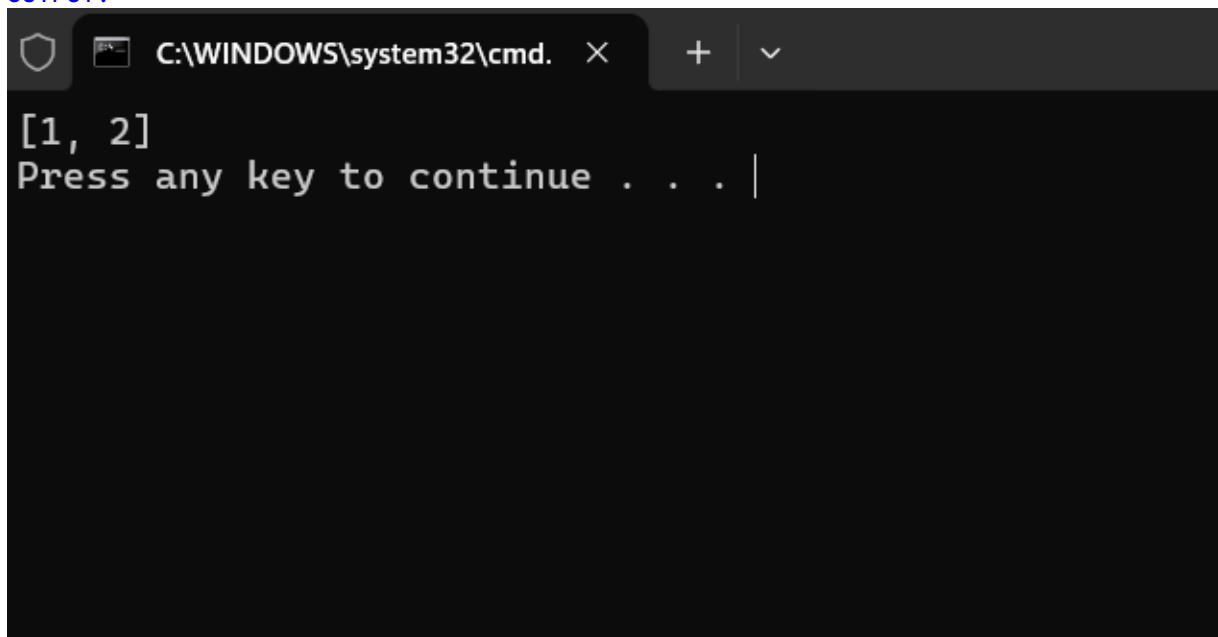


**43) Remove Duplicates from Sorted Array** Given an integer array `nums` sorted in non-decreasing order, remove the duplicates in-place such that each unique element appears only once. The relative order of the elements should be kept the same. Since it is impossible to change the length of the array in some languages, you must instead have the result be placed in the first part of the array `nums`. More formally, if there are `k` elements after removing the duplicates, then the first `k` elements of `nums` should hold the final result. It does not matter what you leave beyond the first `k` elements.

**CODE:**

```
def rem(a):  
    a.sort()  
    b=[]  
    for i in a:  
        if i not in b:  
            b.append(i)  
    return b  
a=[1,1,2]  
print(rem(a))  
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, 2]' followed by the prompt 'Press any key to continue . . . |'.

```
C:\WINDOWS\system32\cmd. [X] + v  
[1, 2]  
Press any key to continue . . . |
```

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