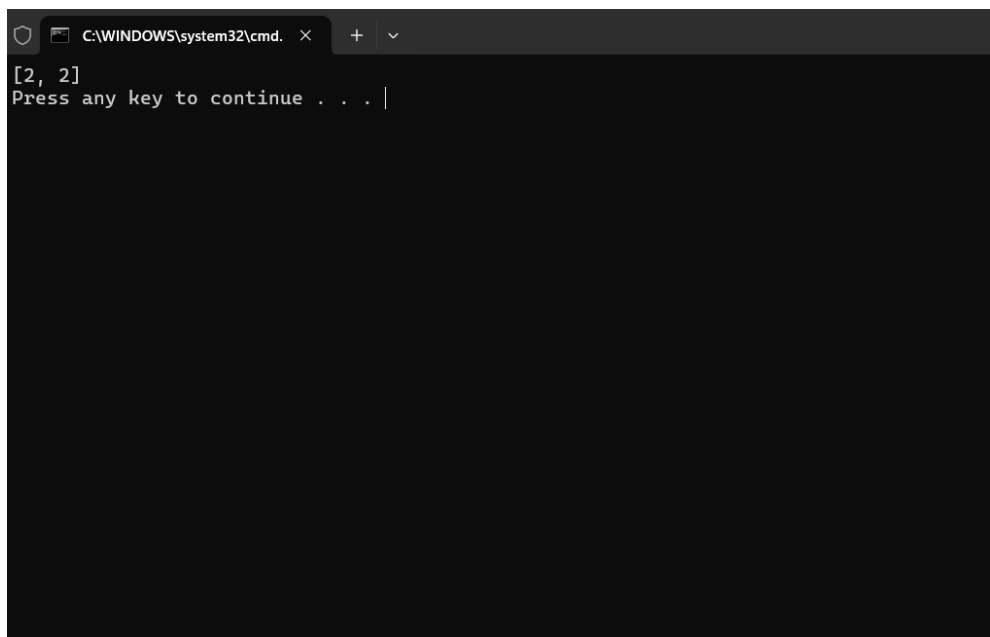


17) Given two integer arrays nums1 and nums2, return an array of their intersection. Each element in the result must appear as many times as it shows in both arrays and you may return the result in any order.

CODE:

```
def inter(a,b):  
    c=[]  
    for i in a:  
        if i in b:  
            c.append(i)  
    return c  
a=[1,2,2,4]  
b=[2,2]  
print(inter(a,b))
```

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 '[2, 2]' on the first line and 'Press any key to continue . . .' on the second line, with a cursor at the end of the second line.

TIME COMPLEXITY :  $O(m + n)$  M= length of list a N= length of list b