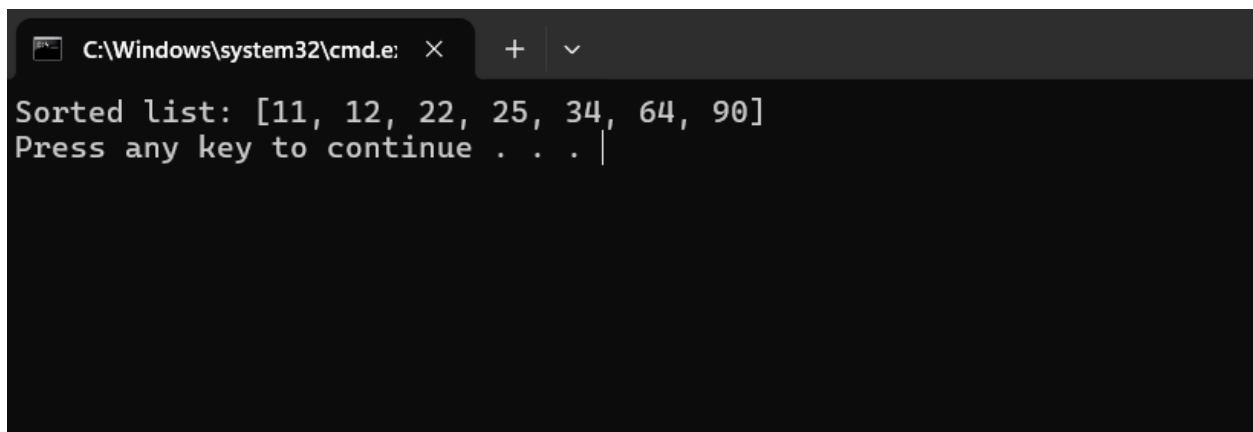


121) Sort using bubble sort

CODE:

```
def bubble_sort(arr):  
    n = len(arr)  
    for i in range(n):  
        for j in range(0, n-i-1):  
            if arr[j] > arr[j+1]:  
                arr[j], arr[j+1] = arr[j+1], arr[j]  
    return arr  
  
# Example usage  
my_list = [64, 34, 25, 12, 22, 11, 90]  
sorted_list = bubble_sort(my_list)  
print("Sorted list:", sorted_list)
```

OUTPUT:

A screenshot of a Windows command prompt window. The title bar shows the path 'C:\Windows\system32\cmd.e' with a close button. The window content displays the output of the program: 'Sorted list: [11, 12, 22, 25, 34, 64, 90]' followed by a prompt 'Press any key to continue . . . |' with a cursor. The background is black and the text is white.

```
C:\Windows\system32\cmd.e: × + ∨  
Sorted list: [11, 12, 22, 25, 34, 64, 90]  
Press any key to continue . . . |
```

TIME COMPLEXITY: $O(n^2)$