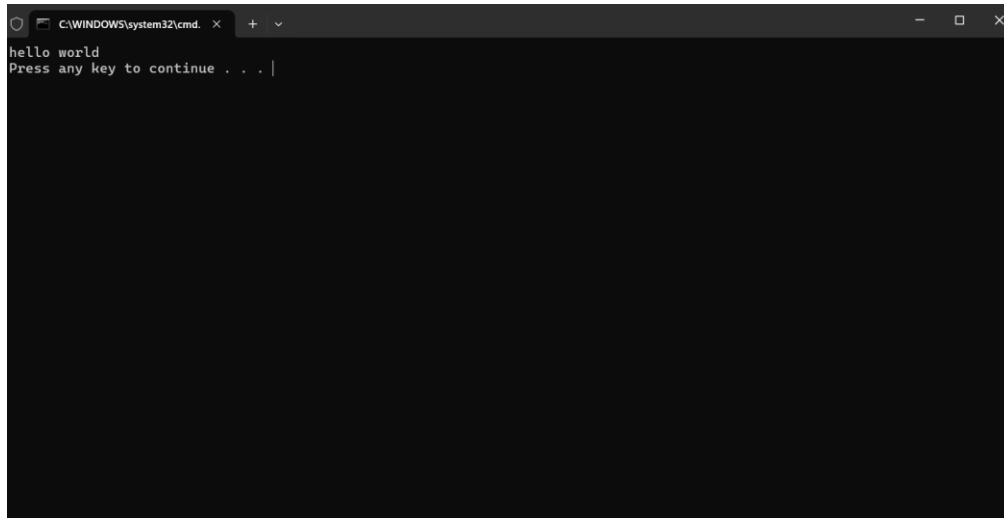


6) Write a program for to copy one string to another using recursion

CODE:

```
def copy(a,b,index=0):  
    if index==len(a):  
        return b  
    b+=a[index]  
    return copy(a,b,index+1)  
a="hello world"  
b=""  
print(copy(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 'hello world' 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 :  $O(n^2)$