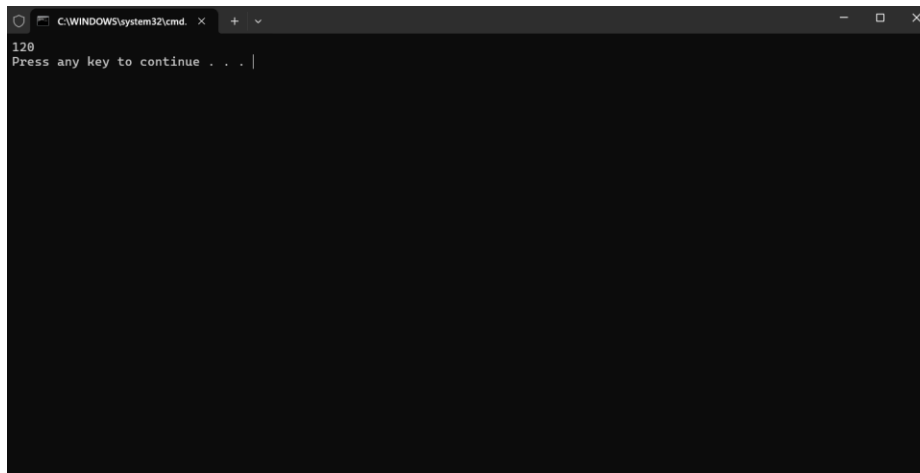


5) Write a program to find the Factorial of a number using recursion.

CODE:

```
def fact(n):  
    if n<=1:  
        return 1  
    else:  
        return n*fact(n-1)  
a=5  
print(fact(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 '120' on the first line and 'Press any key to continue . . . |' on the second line. The rest of the window is black.

TIME COMPLEXITY: $O(n)$