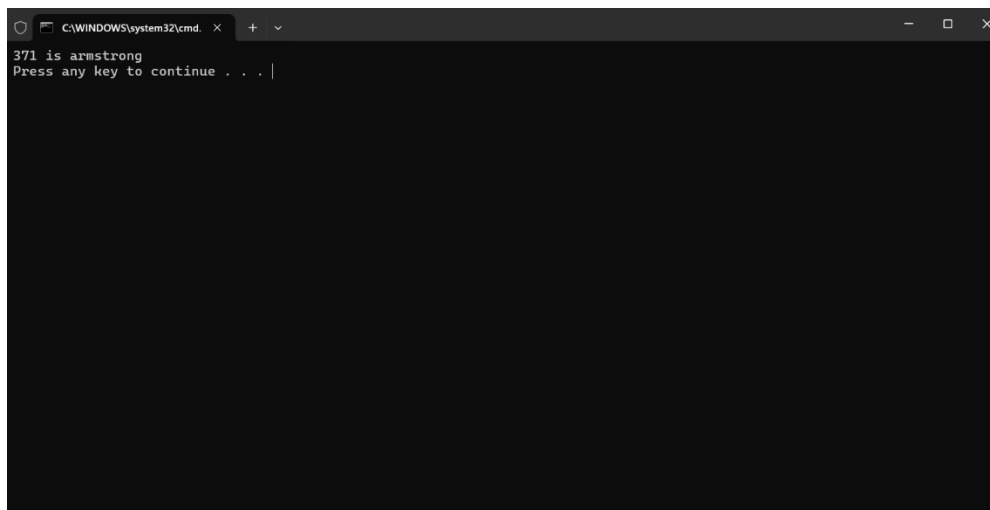


2) Write a program to check the given no is Armstrong or not using recursive function.

CODE:

```
def isarm(num,n):  
    if num==0:  
        return 0  
    else:  
        return (num%10)**n+isarm(num//10,n)  
  
def check(num):  
    n=len(str(num))  
    if num==isarm(num,n):  
        return True  
    else:  
        return False  
  
num=371  
  
if check(num):  
    print(f"{num} is armstrong")  
else:  
    print(f"{num} is not armstrong")
```

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 program: '371 is armstrong' followed by a prompt 'Press any key to continue . . . |'.

TIME COMPLEXITY : $O(d)$