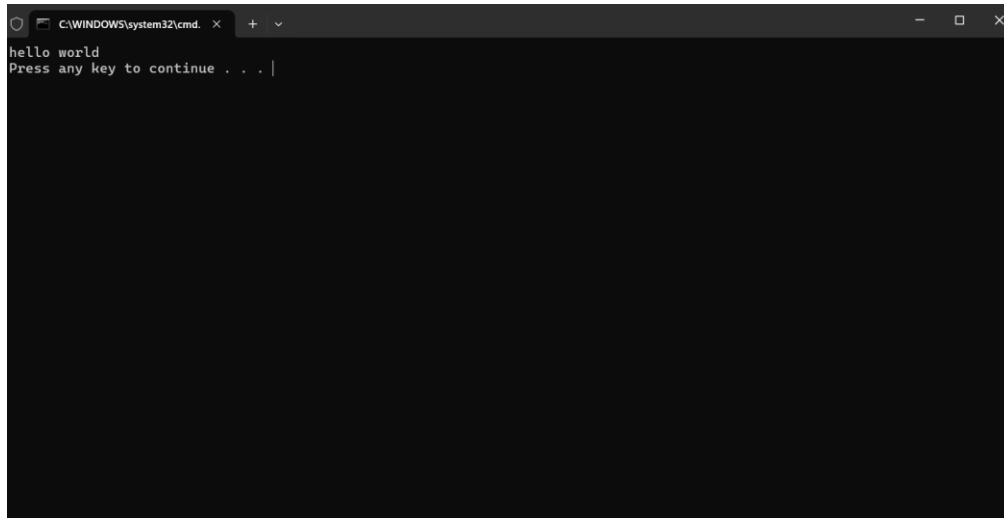6) Write a program for to copy one string to another using recursion

CODE:

```python
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:

TIME COMPLEXITY : $O(n^2)$