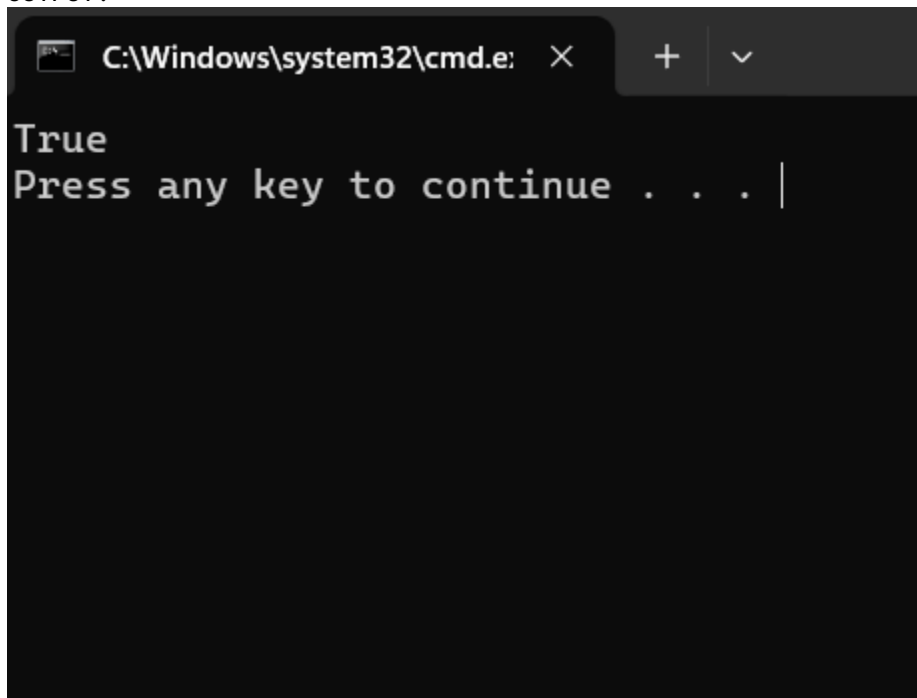


103) Word break problem

CODE:

```
def word_break(s, wordDict):  
    n = len(s)  
    dp = [False] * (n + 1)  
    dp[0] = True  
  
    for i in range(1, n + 1):  
        for j in range(i):  
            if dp[j] and s[j:i] in wordDict:  
                dp[i] = True  
                break  
    return dp[n]
```

```
s = "leetcode"  
wordDict = ["leet", "code"]  
print(word_break(s, wordDict))  
OUTPUT:
```

A screenshot of a Windows command prompt window. The title bar shows the path 'C:\Windows\system32\cmd.e' with standard window controls. The command prompt displays the output 'True' on the first line, followed by a prompt 'Press any key to continue . . . |' on the second line, where the cursor is positioned.

TIME COMPLEXITY : $O(n^2)$