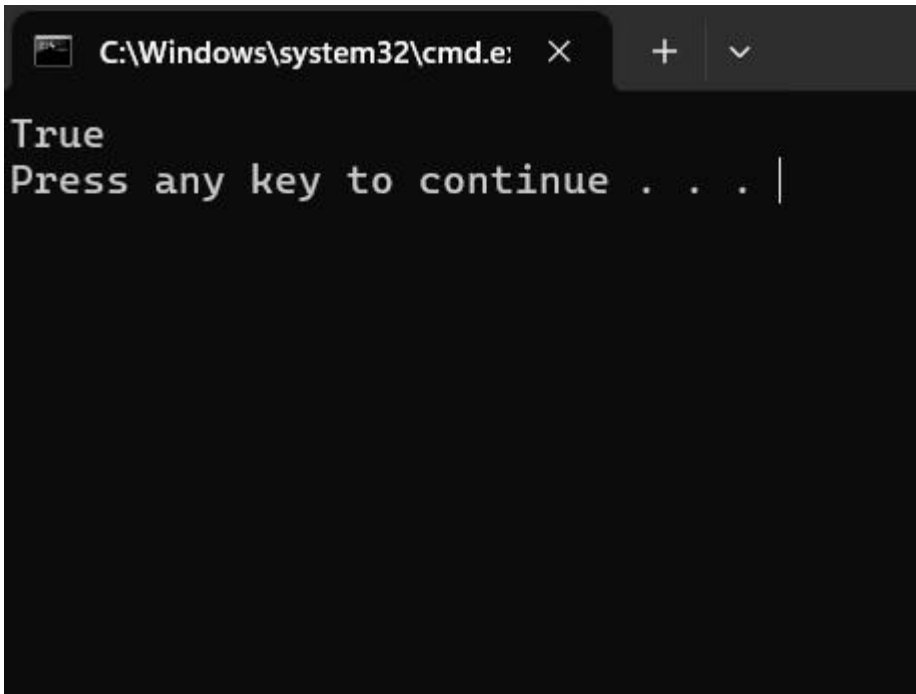


103) Word break problem

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 a close button. The window content shows the output 'True' on the first line, followed by 'Press any key to continue . . . |' on the second line, with a cursor at the end of the line.

TIME COMPLEXITY : $O(n^2)$