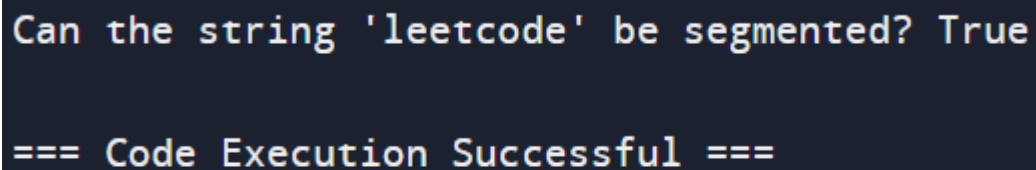103. Word Break Problem

PROGRAM:-
```python
def word_break(s, wordDict):
    word_set = set(wordDict)
    dp = [False] * (len(s) + 1)
    dp[0] = True  # Base case: an empty string can be segmented

    for i in range(1, len(s) + 1):
        for j in range(i):
            if dp[j] and s[j:i] in word_set:
                dp[i] = True
                break

    return dp[-1]

# Example usage:
s = "leetcode"
wordDict = ["leet", "code"]
output = word_break(s, wordDict)
print(f"Can the string '{s}' be segmented? {output}")
```

OUTPUT:-

```
Can the string 'leetcode' be segmented? True


=== Code Execution Successful ===
```

TIME COMPLEXITY:-O(n*m)