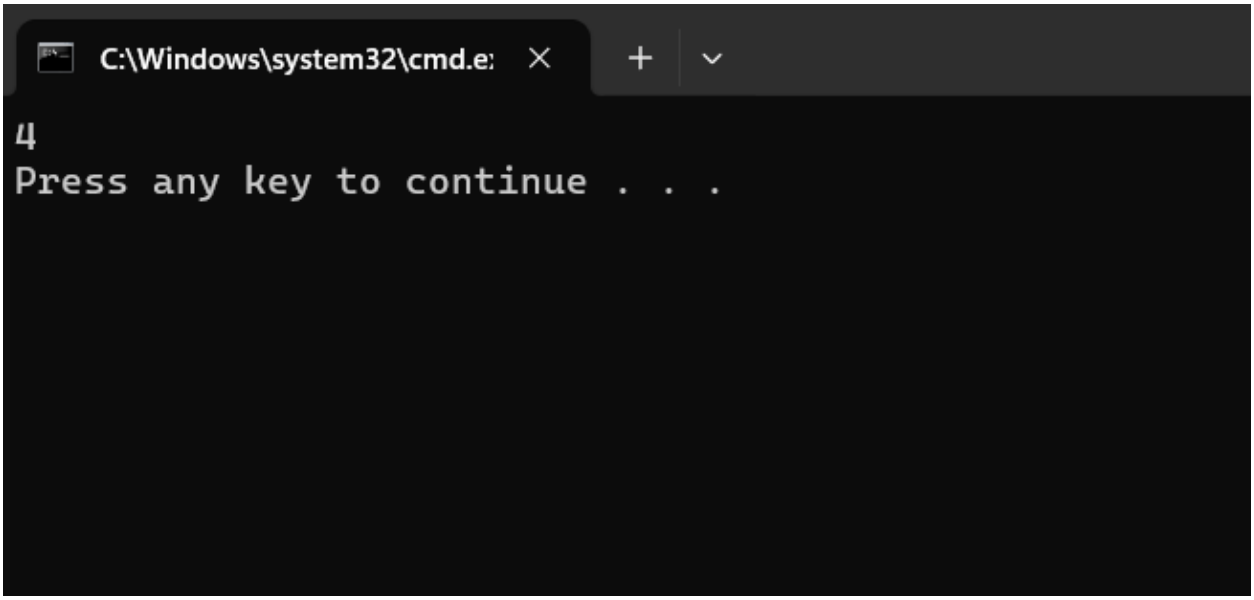
88) Coin Change Problem

CODE:

```
def count(S, m, n):

	table = [[0 for x in range(m)] for x in range(n+1)]


	for i in range(m):
		table[0][i] = 1

	for i in range(1, n+1):
		for j in range(m):

			x = table[i - S[j]][j] if i-S[j] >= 0 else 0

			y = table[i][j-1] if j >= 1 else 0

			table[i][j] = x + y

	return table[n][m-1]

arr = [1, 2, 3]
m = len(arr)
n = 4
print(count(arr, m, n))
```

OUTPUT:



TIME COMPLEXITY : O(n*m)