68) Maximum Subarray

Given an integer array `nums`, find the subarray which has the largest sum and return *its sum*.

CODE:

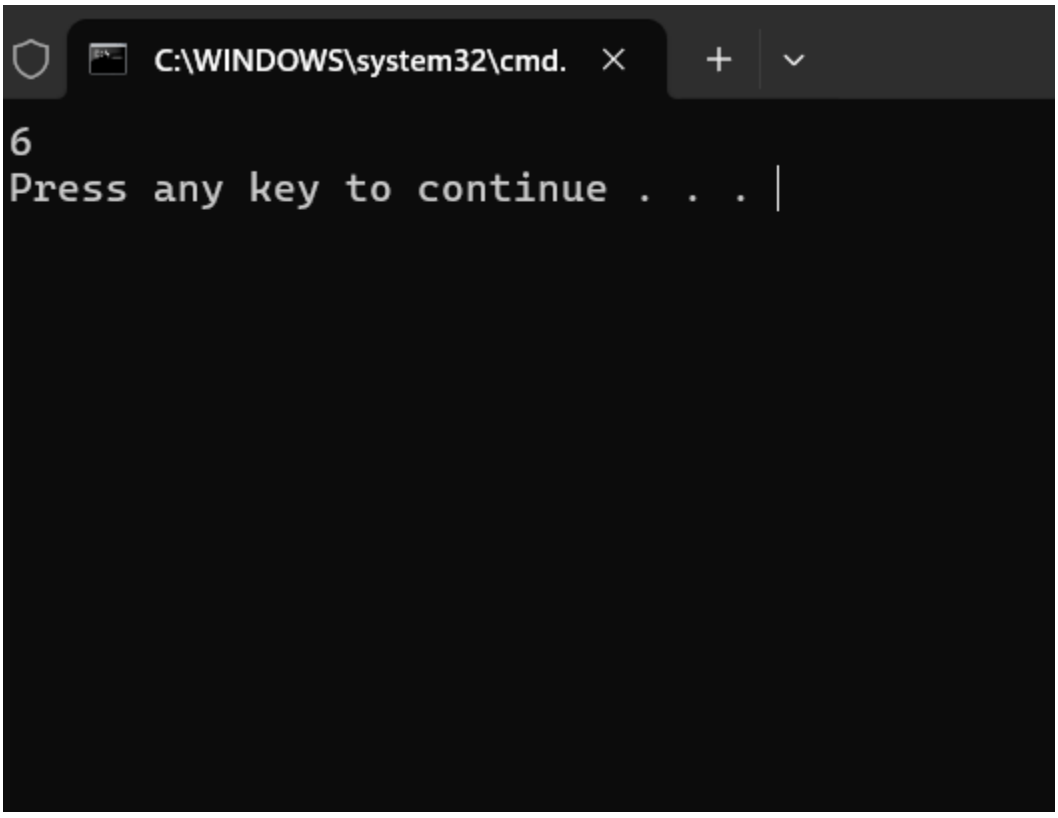
```
def maxSubArray(nums):
    if not nums:
        return 0

    max_current = max_global = nums[0]

    for i in range(1, len(nums)):
        max_current = max(nums[i], max_current + nums[i])
        if max_current > max_global:
            max_global = max_current

    return max_global
a=[-2,1,-3,4,-1,2,1,-5,4]
print(maxSubArray(a))
```

OUTPUT:



TIME COMPLEXITY : O(n)