68)MAXIMUM SUBARRAY

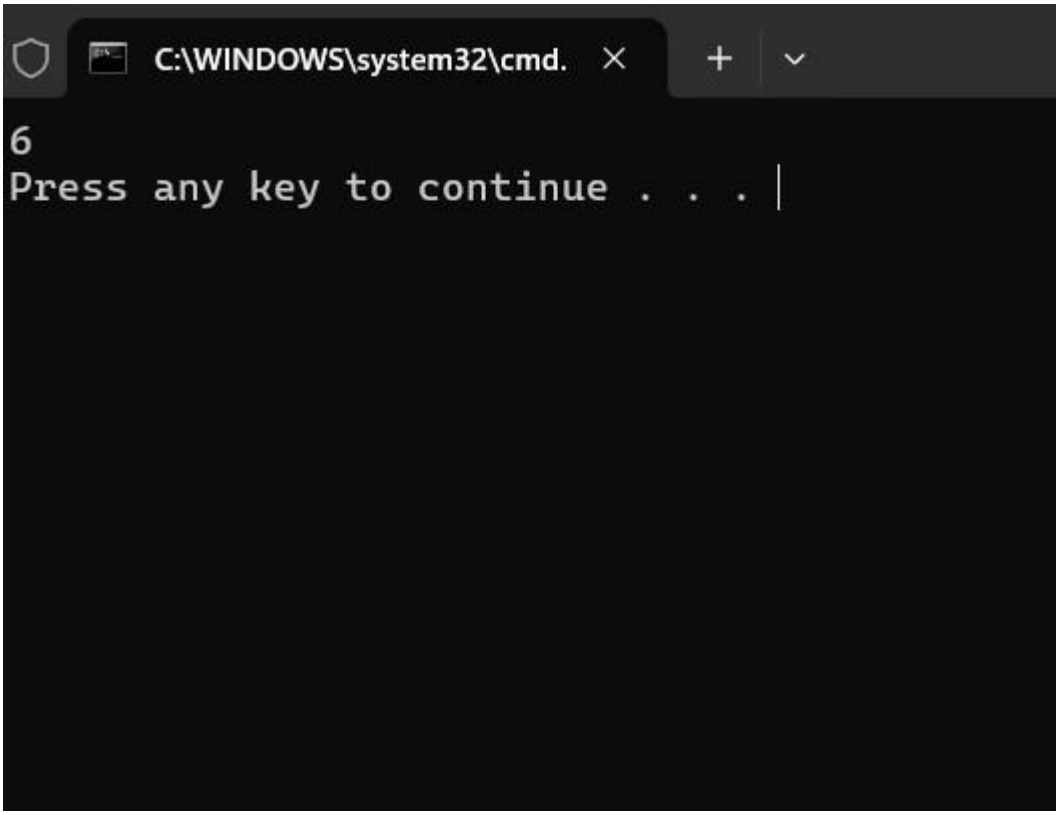
Given an integer array nums, find the subarray which has the largest sum and return *its sum*.

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)