```
def max_subarray_sum(nums):
        max_sum = float('-inf') # Initialize to negative infinity
         current_sum = 0
         for num in nums:
             current_sum += num # Add the current number to the current sum
             # Update max_sum if current_sum is greater
             if current_sum > max_sum:
                 max_sum = current_sum
             # Reset current_sum if it drops below 0
             if current_sum < 0:</pre>
                 current\_sum = 0
         return max_sum
     # Input reading
     n = int(input().strip()) # Read the number of elements
     nums = list(map(int, input().strip().split()))  # Read the list of integers
     \ensuremath{\text{\#}} Calculate and print the maximum subarray sum
     result = max_subarray_sum(nums)
     print(result)
RESULT
  5 / 5 Test Cases Passed | 100 %
```