```
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
   # Calculate and print the maximum subarray sum
   result = max_subarray_sum(nums)
   print(result)
RESULT
 5 / 5 Test Cases Passed | 100 %
```