```
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 %
```