KEILA JHEJHEILA JHEZS J.A. 3HR. 3 Wame NITIN NARENDRA GHANMODE Roll Number 3BR23ME014 EXPERIMENT Title SUB ARRAY WITH MAX SUM Description You are given a list of integers, and your task is to find the subarray with the maximum sum. Write a function or method to solve this problem efficiently and return the maximum sum. Input: n: the no of elements in the array nums [List of integers]: A list of integers [1 <= len[nums] <= 10^5] Sample input: -1 2 3 10 -4 7 2 -5 Sample output: 20 Explanation:

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The max subarry sum is 20. The subarray is [2,3,10,-4,7,2]

Source Code:

```
n = int(input())
l = list(map(int, input().split()))
s = l[0]
ms = l[0]
for i in range(1, n):
    s = max(l[i], s + l[i])
    ms = max(ms, s)
print(ms)
```

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RESULT

S / S Test Cases Passed | 100 %