Logo

STUDENT REPORT

# **DETAILS**

# Name

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Description

You are given by a substitution of the substitution o 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

n: the no of elements in the array

nums (List of integers): A list of integers (1 <= len(nums)

Sample input:

-1 2 3 10 -4 7 2 -5

Sample output:

20

Explanation:

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

# RESULT

5 / 5 Test Cases Passed | 100 %

## Roll Number

23D21A05H4

### Source Code:

```
def max_subarray_sum(nums):
    curr_sum = 0
    max_sum = float('-inf')
    for num in nums:
        max_sum = max(max_sum,curr_sum)
        if curr_sum < 0:</pre>
            curr_sum = 0
    return max_sum
n=int(input())
nums = list(map(int,input().split()))
```

print(max\_subarray\_sum(nums))

https://practice.reinprep.com/student/get-report/dc58f504-d345-11ef-b5b3-8fe3c222638a