#15 days of Coding Challenge

#Day 1

Maximum Subarray

#Leetcode 53

Solution:

class Solution {

public:

int maxSubArray(vector<int>& nums) {

int n=nums.size();

int sum=nums[0],maxs=nums[0];

for(int i=1;i<n;i++){

sum=max(nums[i],sum+nums[i]);

maxs=max(sum,maxs);

}

return maxs;

}

};

Time Complexity:O(n)

Space Complexity:O(1)