

53. Maximum Subarray



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Given an integer array `nums`, find the contiguous subarray (containing at least one number) which has the largest sum and return its sum.

A subarray is a contiguous part of an array.

Input: `nums = [-2,1,-3,4,-1,2,1,-5,4]` Output: 6 Explanation: `[4,-1,2,1]` has the largest sum = 6.

```
class Solution {
    public int maxSubArray(int[] nums) {
        int global=nums[0];
        int local= nums[0];
        for(int i=1;i<nums.length;i++)
        {
            global=Math.max(nums[i],nums[i]+global);
            local=Math.max(global,local);
        }
        return local;
    }
}
```