**53. Maximum Subarray**

Easy

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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*.

**Example 1:**

**Input:** nums = [-2,1,-3,4,-1,2,1,-5,4]

**Output:** 6

**Explanation:** [4,-1,2,1] has the largest sum = 6.

**Example 2:**

**Input:** nums = [1]

**Output:** 1

**Example 3:**

**Input:** nums = [5,4,-1,7,8]

**Output:** 23

**Constraints:**

* 1 <= nums.length <= 3 \* 104
* -105 <= nums[i] <= 105