**Maximum Subarray:-**

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

**Follow up:** If you have figured out the O(n) solution, try coding another solution using the **divide and conquer** approach, which is more subtle.

**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 = [0]

**Output:** 0

**Example 4:**

**Input:** nums = [-1]

**Output:** -1

**Example 5:**

**Input:** nums = [-2147483647]

**Output:** -2147483647

**Constraints:**

* 1 <= nums.length <= 2 \* 104
* -231 <= nums[i] <= 231 - 1