Maximum Subarray

Try to solve the Maximum Subarray problem.

We'll cover the following
Statement
Examples
Understand the problem
Try it yourself

Statement

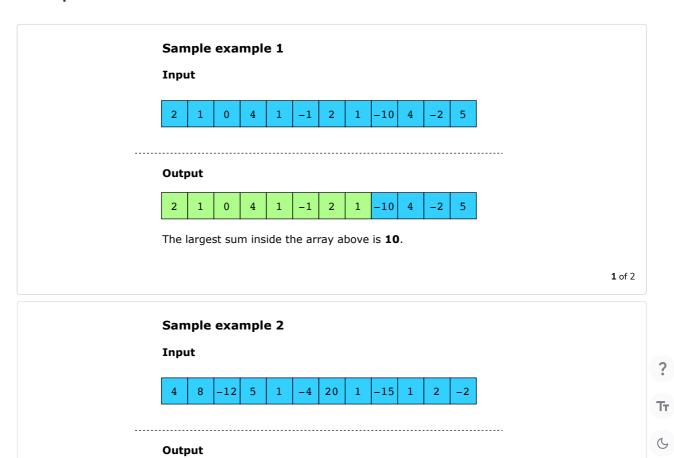
Given an integer array, nums, find the contiguous subarray (containing at least one number) which has the largest sum and return its sum.

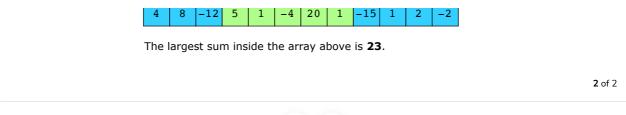
Note: A subarray is a contiguous part of an array.

Constraints:

- $1 \leq \mathsf{nums.length} \leq 10^5$
- $-10^4 \leq \text{nums[i]} \leq 10^4$

Examples

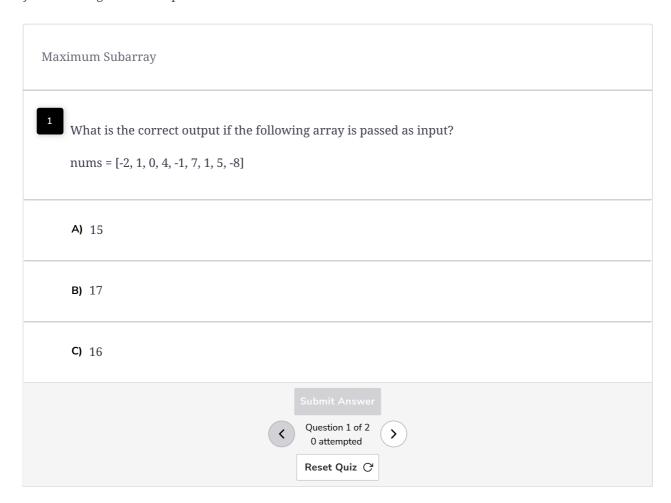




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Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:



Try it yourself

Implement your solution in the following coding playground:

```
Java

usercode > MaxSubArrayjava

1 import java.util.*;
2 public class MaxSubArray{
3 public static int maxSubArray(int[] nums) {

7     return 0;
8     }
9 }

7     return 0;
8     }
9 }
```

