

53. 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.

```
class Solution {  
    public int maxSubArray(int[] nums) {  
  
        if (nums == null || nums.length == 0)  
            return 0;  
  
        int max = Integer.MIN_VALUE, sum = 0, minSum = 0;  
  
        // max记录全局最大值,  
        // sum记录前i个数的和  
        // minSum记录前i个数中0-k的最小值  
        for (int i = 0; i < nums.length; i++) {  
            sum += nums[i];  
            max = Math.max(max, sum - minSum);  
            minSum = Math.min(minSum, sum);  
        }  
  
        return max;  
    }  
}
```