

LeetCode 485: Max Consecutive Ones

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Here I presented a pseudo-code to solve the 485th question of LeetCode: Max Consecutive Ones.

The description of this question is that given a binary array `nums`, return the maximum number of consecutive 1's in the array.

The constraints of this question are as follows:

- (a) $1 \leq \text{nums.length} \leq 10^5$.
- (b) `nums[i]` is either 0 or 1.

For more information about this question, click on the following link: [Max Consecutive Ones](#)

The pseudo-code is in the following page.

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Algorithm 1: Max Consecutive Ones

Input: int nums[]
Output: int ans

```
1 count ← 0;  
2 result ← 0;  
3 ans ← 0;  
4 size ← length(nums);  
5 if size = 0 then  
6   | return ans;                                /* ans = 0 */  
7 else  
8   | i ← 0;  
9   while i < size do  
10    | if nums[i] == 1 then  
11    |   | count ← count + 1;  
12    | else  
13    |   | result ← max(result, count);  
14    |   | count ← 0;  
15    | end  
16  end  
17  ans ← max(result, count);  
18  return ans;  
19 end
```
