

41. First Missing Positive

Solved 

Hard

Topics

Companies

Hint

Given an unsorted integer array `nums`. Return the *smallest positive integer* that is *not present* in `nums`.

You must implement an algorithm that runs in $O(n)$ time and uses $O(1)$ auxiliary space.

Example 1:

Input: `nums = [1,2,0]`

Output: 3

Explanation: The numbers in the range `[1,2]` are all in the array.

Example 2:

Input: `nums = [3,4,-1,1]`

Output: 2

Explanation: 1 is in the array but 2 is missing.

```
class Solution {
    func firstMissingPositive(_ nums: [Int]) -> Int {
        let n = nums.count
        var arr = Array(repeating:false, count:n+1)

        for i in nums {
            if (0 < i && i <= n) {
                arr[i] = true
            }
        }

        for i in (1..
```