Move zeroes

Given an integer array nums, more all 0's to end of 94 while maintaining the selative order of non-zero Note: you moust do this in-place without making copy of the array

Ex.

Input: nums=[0,1,0,3,12]

output: [1,3,12,0,0]

constraints:

-> 1 < = nams.length <=107 -s - 231 z=nams [1] z=231-)

Algorithm:

- 1. InitPlize 9=6 -s keeps track of next-position to place a non-zero element
- 2. Itelate Pfrom 0 to n-1:
 - -2 It nums [i] ! =0-> move non-seto element to nums [j] and increments
 - > This ensurer all non-sero elements our shifted to
- 3) Attel processing all elements, till remaining positions from y to not with o's

```
Ame complexuity: 0(n)
spoue complexity: 0(1)
code;
                          Il position for next non-zero element
  int j=0
for c'int i=0; iznums. length; i++)
         nums[]=nams[]: [|placenon-zero at in denj
       if cnumscril!=0)
                              Il move to next position
            944;
  I litell rest of array with zeroes
for cint 1=9; 12 nums. length; 9+1)
      nums[P]=0;
```