

ADA

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LAB-1: [leetcode]: Given an array `nums` of  $n$  integers where `nums[i]` is in the range  $[1, n]$ , return an array of all the integers in the range  $[1, n]$  that do not appear in `nums`.

→ `int* findDisappearedNumbers(int* nums, int numsSize, int* returnSize)`  
`{`

`int temp = 0;`

`for (int index = 0; index < numsSize; ++index)`

`{`

`temp = abs(nums[index]) - 1;`

`nums[temp] = abs(nums[temp]) * -1;`

`}`

`int insert_index = 0;`

`*returnSize = 0;`

`for (int index = 0; index < numsSize; ++index)`

`{`

`if (nums[index] > 0)`

`{`

`++ *returnSize;`

`nums[insert_index++] = index + 1;`

`}`

`}`

`return nums;`

`}`

o/p: case 1

`nums = [4, 3, 2, 7, 8, 2, 3, 1]`

→ `[5, 6]`

case 2

`nums = [1, 1]`

→ `[2]`

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