

02/05/24 Week-1

Leetcode-1: Find all numbers disappeared in an Array

```

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 insertIndex = 0;
    *returnSize = 0;
    for (int index = 0; index < numsSize; ++index)
    {
        if (nums[index] > 0)
        {
            ++*returnSize;
            nums[insertIndex++] = index + 1;
        }
    }
    return nums;
}

```

Testcase 1:

Input = [4, 3, 2, 7, 8, 2, 3, 1]

Output = [5, 6]

Expected = [5, 6]

Testcase 2:

Input: [1,1]

output: [2]

expected: [2]