

HOW MANY NUMBERS ARE SMALLER THAN THE CURRENT NUMBER

<https://leetcode.com/problems/how-many-numbers-are-smaller-than-the-current-number/submissions/>

Given the array `nums`, for each `nums[i]` find out how many numbers in the array are smaller than it. That is, for each `nums[i]` you have to count the number of valid `j`'s such that `j != i` and `nums[j] < nums[i]`.

Return the answer in an array.

```
def smallerNumbersThanCurrent(self, nums):
```

```
    """
```

```
    :type nums: List[int]
```

```
    :rtype: List[int]
```

```
    """
```

```
    count = 0
```

```
    lst = []
```

```
    for i in range(len(nums)):
```

```
        for j in range(len(nums)):
```

```
            if nums[i] > nums[j]:
```

```
                count = count + 1
```

```
            lst.append(count)
```

```
            count = 0
```

```
    return lst
```

The screenshot shows a web browser window with the LeetCode website. The page displays the submission details for the problem "How Many Numbers Are Smaller Than the Current Number". The submission is successful, with a runtime of 508 ms and memory usage of 13 MB. The code is written in Python and uses a nested loop to compare each element with all other elements in the array.

Success Details >

Runtime: 508 ms, faster than 9.14% of Python online submissions for How Many Numbers Are Smaller Than the Current Number.

Memory Usage: 13 MB, less than 5.52% of Python online submissions for How Many Numbers Are Smaller Than the Current Number.

Next challenges:

Count of Smaller Numbers After Self

Show off your acceptance:

Time Submitted	Status	Runtime	Memory	Language
a few seconds ago	Accepted	508 ms	13 MB	python

```
1 class Solution(object):
2     def smallerNumbersThanCurrent(self, nums):
3         """
4         :type nums: List[int]
5         :rtype: List[int]
6         """
7         count = 0
8         lst = []
9         for i in range(len(nums)):
10             for j in range(len(nums)):
11                 if nums[i] > nums[j]:
12                     count = count + 1
13             lst.append(count)
14             count = 0
15         return lst
```

Your previous code was restored from your local storage. [Reset to default](#)

Testcase Run Code Result Debugger

Accepted Runtime: 20 ms

Your input: [0,1,2,2,3]

Output: [4,0,1,1,3] Diff

Expected: [4,0,1,1,3]

Activate Windows
Go to Settings to activate Windows.

Run Code Submit