

# LeetCode

## Day-14 Q-02: Median of Two Sorted Arrays

There are two sorted arrays **nums1** and **nums2** of size m and n respectively.

Find the median of the two sorted arrays. The overall run time complexity should be  $O(\log(m+n))$ .

You may assume **nums1** and **nums2** cannot be both empty.

### Example 1:

```
nums1 = [1, 3]
```

```
nums2 = [2]
```

The median is 2.0

### Example 2:

```
nums1 = [1, 2]
```

```
nums2 = [3, 4]
```

The median is  $(2 + 3)/2 = 2.5$