

CP Problem Statement: 4

A Job Ready Bootcamp in C++, DSA and IOT

MySirG

4. Median of Two Sorted Arrays

Problem Statement

Given two sorted arrays `nums1` and `nums2` of size `m` and `n` respectively, return the **median** of the two sorted arrays.

The overall run time complexity should be $O(\log(m+n))$.

Example 1:

```
Input: nums1 = [1,3], nums2 = [2]
Output: 2.00000
Explanation: merged array = [1,2,3] and median is 2.
```

Example 2:

```
Input: nums1 = [1,2], nums2 = [3,4]
Output: 2.50000
Explanation: merged array = [1,2,3,4] and median is (2 + 3) / 2 = 2.5.
```

Facing Issues 😞

If you are facing any issues, please reach out to us at adityachaudhary@ineuron.ai,
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