

867. Transpose Matrix

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Description (/problems/transpose-matrix/description/)

Hints (/problems/transpose-matrix/hints/)

Submissions (/problems/transpose-matrix/submissions/)

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Given a matrix `A`, return the transpose of `A`.

The transpose of a matrix is the matrix flipped over it's main diagonal, switching the row and column indices of the matrix.

Example 1:

Input: `[[1,2,3],[4,5,6],[7,8,9]]`
Output: `[[1,4,7],[2,5,8],[3,6,9]]`

Example 2:

Input: `[[1,2,3],[4,5,6]]`
Output: `[[1,4],[2,5],[3,6]]`

Note:

- 1. `1 <= A.length <= 1000`
- 2. `1 <= A[0].length <= 1000`

Seen this question in a real interview before?

🔍 C++

Difficulty: Easy

Total Accepted: 17.7K

Total Submissions: 27.3K

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