

Description

Editorial

Solutions (4.4K)

Submissions

C++

Auto

🔖

{}

🔄

⚙️

🔍

↗️

73. Set Matrix Zeroes

Hint ⋮

Medium



👍 10.6K

💬 601



🔒 Companies

Given an $m \times n$ integer matrix `matrix`, if an element is 0, set its entire row and column to 0's.

You must do it [in place](#).

Example 1:

1	1	1
1	0	1
1	1	1

➡

1	0	1
0	0	0
1	0	1

Input: `matrix = [[1,1,1],[1,0,1],[1,1,1]]`

Output: `[[1,0,1],[0,0,0],[1,0,1]]`

```

1 class Solution {
2 public:
3     void setZeroes(vector<vector<int>>& matrix) {
4         int n = matrix.size();
5         int m = matrix[0].size();
6
7         queue<pair<int,int>> qu;
8
9         for(int i=0;i<n;i++){
10             for(int j=0;j<m;j++){
11                 if(matrix[i][j]==0){
12                     qu.push({i,j});
13                 }
14             }
15         }
16         while(!qu.empty()){
17             int row = qu.front().first;
18             int col = qu.front().second;
19             qu.pop();
20             for(int k=0;k<m;k++){
21                 matrix[row][k]=0;
22             }
23             for(int k=0;k<n;k++){
24                 matrix[k][col]=0;
25             }
26         }
27     };

```

Console ^



Run

Submit



[Description](#)
[Editorial](#)
[Solutions \(2.1K\)](#)
[Submissions](#)
[C++](#)
[Auto](#)


867. Transpose Matrix

[Hint](#) [...](#)
[Easy](#)

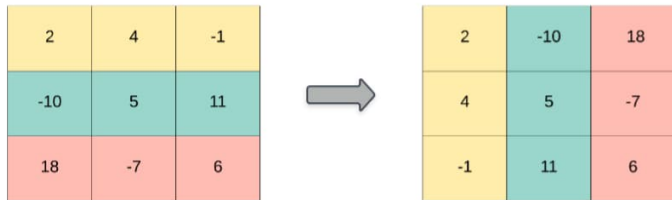

2.6K

418


[Companies](#)

Given a 2D integer array `matrix`, return the **transpose** of `matrix`.

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



Example 1:

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

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

```

1 class Solution {
2 public:
3     vector<vector<int>> transpose(vector<vector<int>>& matrix) {
4         int m = matrix.size();
5         int n = matrix[0].size();
6         vector<vector<int>> res(n, vector<int>(m));
7
8         for(int i = 0 ; i < m ; i++){
9             for(int j = 0 ; j < n ; j++){
10                 res[j][i] = matrix[i][j];
11             }
12         }
13         return res;
14     }
15 };

```

[Console](#)

[Run](#)
[Submit](#)
