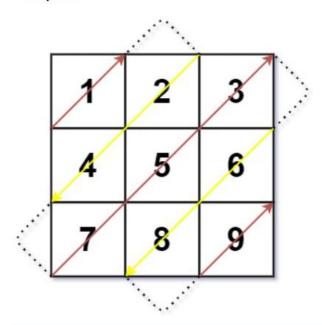
Example 1:



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

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

## Example 2:

Input: mat = [[1,2],[3,4]]

Output: [1,2,3,4]

```
vector<int> findDiagonalOrder(vector<vector<int>>& mat) {
        int N = mat.size();
        int M = mat[0].size();
        vector<int> result;
        for(int s=0; s<(N+M-1); s++) {
            for(int x = 0; x <= s; x++) {
                int i = x, j = s-i;
                if(s\%2 == 0) swap(i, j);
10
                if(i>=N || j>=M) continue;
11
                result.push_back(mat[i][j]);
12
13
14
15
        return result;
```

## #100daysofDSA











/rvislive

**Rakesh Vishwakarma**