Assignment Solutions | 2D Arrays - 3 | Week 6

1.Given an m x n integer matrix matrix, if an element is 0, set its entire row and column to 0's.
You must do it in place.
Input :
1 1 1
1 0 1
1 1 1
Output :
1 0 1
0 0 0
1 0 1

Solution :

```
#include<iostream>
#include<vector>
using namespace std;
void setZeroes(vector<vector<int>>& matrix) {
int n = matrix.size();
int m = matrix[0].size();
int col0 = 1;
for(int i=0;i<n;i++){
if(matrix[i][0] == 0)col0 = 0;
for(int j=1;j<m;j++){
if(matrix[i][j] == 0){
matrix[0][j] = 0;
matrix[i][0] = 0;
}
}
}
for(int i = n - 1 ; i >= 0 ; i--){
for(int j = m - 1 ; j > 0 ; j--){
if(matrix[i][0] == 0 or matrix[0][j] == 0)
matrix[i][j] = 0;
```