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.

```
2darray3 > ♥ assignment1.cpp > ♥ setZeroes(vector<vector<int>>&)
      #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++){</pre>
              if(matrix[i][0] == 0)col0 = 0;
              for(int j=1;j<m;j++){</pre>
10
                   if(matrix[i][j] == 0){
11
                        matrix[0][j] = 0;
12
                        matrix[i][0] = 0;
13
14
15
16
           for(int i = n - 1; i >= 0; i --){
17
              for(int j = m - 1 ; j > 0 ; j--){}
18
                   if(matrix[i][0] == 0 or matrix[0][j] == 0)
19
                    matrix[i][j] = 0;
20
21
22
23
```