Set Matrix Zeroes

For this problem we must modify the matrix in place to set entire rows and columns to zero if any cell is zero.
The follow-up asks for a constant space solution.

Approach: Constant Space Using First Row and First Column.

Key Idea:
- Using first row and first column as markers:
  - If matrix[i][j] == 0, mark matrix[i][0] = 0 and matrix[0][j] = 0.
- Use two extra booleans to track if first row & first column itself should be zeroed.
- After marking:
  - Iterate matrix (excluding first row/column) to set zeros based on markers.
- Finally, zero out first row/column if needed.

Algorithm:
1. Check first row and first column for zero and store flags firstRowZero and firstColZero.
2. Traverse matrix from (1, 1):
   - If any cell is 0, mark matrix[i][0] and matrix[0][j] as 0.
3. Traverse again (excluding first row/col):
   - If matrix[i][0] == 0 or matrix[0][j] == 0, set matrix[i][j] = 0.
4. If firstRowZero is true, zero out first row.
5. If firstColZero is true, zero out first column.

Complexity:
- Time: O(m × n) - two passes through the matrix.
- Space: O(1) - only boolean flags, markers stored in matrix itself.