832. Flipping an Image

Given an n x n binary matrix image, flip the image **horizontally**, then invert it, and return *the resulting image*.

To flip an image horizontally means that each row of the image is reversed.

* For example, flipping [1,1,0] horizontally results in [0,1,1].

To invert an image means that each 0 is replaced by 1, and each 1 is replaced by 0.

* For example, inverting [0,1,1] results in [1,0,0].

**Example 1:**

**Input:** image = [[1,1,0],[1,0,1],[0,0,0]]

**Output:** [[1,0,0],[0,1,0],[1,1,1]]

**Explanation:** First reverse each row: [[0,1,1],[1,0,1],[0,0,0]].

Then, invert the image: [[1,0,0],[0,1,0],[1,1,1]]

**Solution :**

class Solution {

    public int[][] flipAndInvertImage(int[][] image) {

        int[][] arr = new int[image.length][image[0].length];

        for(int i = 0; i < image.length; i++) {

            for(int j = 0; j < image[i].length; j++) {

                arr[i][j] = image[i][image[0].length - j - 1];

            }

        }

        for(int k = 0; k < image.length; k++) {

            for(int l = 0; l < image[0].length; l++) {

                arr[k][l] = arr[k][l] == 1 ? 0 : 1;

            }

        }

        return arr;

    }

}