**Problem Statements**

1. Given a Boolean 2D array of n x m dimensions where each row is sorted. Find the 0-based index of the first row that has the maximum number of 1's.  
   **Sample Input:**

Int arr[][] = {

{0, 1, 1, 1},

{0, 0, 1, 1},

{1, 1, 1, 1},

{0, 0, 0, 0}}

}

**Sample Output:**Row 2 contains maximum 1’s which is 4

1. Given an ***m x n*** integer matrix, if an element is 0, set its entire row and column to 0's.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 14 | 6 | 2 | 3 |  | 14 | 6 | 2 | 0 |
| 8 | 7 | 6 | 0 | 0 | 0 | 0 | 0 |
| 9 | 1 | 2 | 4 | 9 | 1 | 2 | 0 |
| 2 | 18 | 4 | 3 | 2 | 18 | 4 | 0 |

1. Given an ***m x n*** integer matrix filled with non-negative numbers, find a path from top left to bottom right, which minimizes the sum of all numbers along its path.

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | 20 | 6 | 2 |
| 0 | 1 | 1 | 0 |
| 9 | 1 | 2 | 2 |
| 2 | 18 | 4 | 1 |

1. Given a ***4 x 4*** integer matrix filled with non-negative numbers. Take a number as input & search that number in array. Print the row & column location of the number if found, else print a message that number not found in array.