

Solution 1

```
1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
2
3 // O(n + m) time | O(1) space
4 function searchInSortedMatrix(matrix, target) {
5   let row = 0;
6   let col = matrix[0].length - 1;
7   while (row < matrix.length && col >= 0) {
8     if (matrix[row][col] > target) {
9       col--;
10    } else if (matrix[row][col] < target) {
11      row++;
12    } else {
13      return [row, col];
14    }
15  }
16  return [-1, -1];
17 }
18
19 exports.searchInSortedMatrix = searchInSortedMatrix;
20
```

Solution 1

Solution 2

Solution 3

```
1 function searchInSortedMatrix(matrix, target) {
2   // Write your code here.
3 }
4
5 // Do not edit the line below.
6 exports.searchInSortedMatrix = searchInSortedMatrix;
7
```

Run or submit code when you're ready.